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ABSTRACT

This report presents data for the 108 university libraries and 11 public or private, independent research libraries that were members of the Association of Research Libraries (ARL) during the 1992-93 fiscal year. Data are reported in alphabetical order on collections (volumes in library, gross and net volumes added, monographs purchased, current serials purchased and not purchased, total microform units, government documents, computer files, archives and manuscripts, cartographic materials, graphic materials, audiovisual materials, and video and film); expenditures (monographs, current serials, other materials, miscellaneous materials, contract binding, salaries and wages, and other operating expenditures); interlibrary loans; and personnel (professional staff, support staff, and student assistants). Statistics on Ph.D.s awarded, faculty, and enrollment are also provided, as well as a summary of the rank order tables of university libraries and rank order tables for each of 18 categories from the main ARL data tables. A copy of the ARL statistics questionnaire is attached, and extensive notes provide additional data. The appendix includes a list of ARL member libraries and a selection of informative graphs based on ARL data. (MES)

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ARL STATISTICS 2 1992-93

ARL STATISTICS

1992-93

A COMPILATION OF STATISTICS
FROM THE ONE HUNDRED AND NINETEEN MEMBERS OF THE
ASSOCIATION OF RESEARCH LIBRARIES

Compiled by
Nicola Daval
and
Patricia Brennan

ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, D.C.
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TABLE OF CONTENTS

I. Introduction 5

II. ARL Library Data Tables

Collections 10
Totals 20
Expenditures 22
Totals 32
Interlibrary Loan and Personnel 34
Totals 39

III. Analysis of Selected Variables 40

IV. Ph.D., Faculty, and Enrollment Statistics 41

V. Rank Order Tables of University Libraries

Summary of Rank Order Tables 44

Individual Tables

1. Volumes in Library 51
2. Added Volumes (Gross) 52
3. Current Serials (Total) 53
4. Mircoform Holdings 54
5. Government Documents 55
6. Materials Expenditures 56
7. Salaries and Wages Expenditures 57
8. Other Operating Expenditures 58
9. Total Operating Expenditures 59
10. Monographs Purchased (Volumes) 60
11. Expenditures for Monographs 61
12. Serials Purchased (Titles) 62
13. Expenditures for Serials 63
14. Total Items Loaned 64
15. Total Items Borrowed 65
16. Professional Staff (FTE) 66
17. Support Staff (FTE) 67
18. Total Staff (FTE) 68

VI. ARL Statistics Questionnaire, 1992-93 69

VII. Footnotes to the ARL Statistics, 1992-93 77

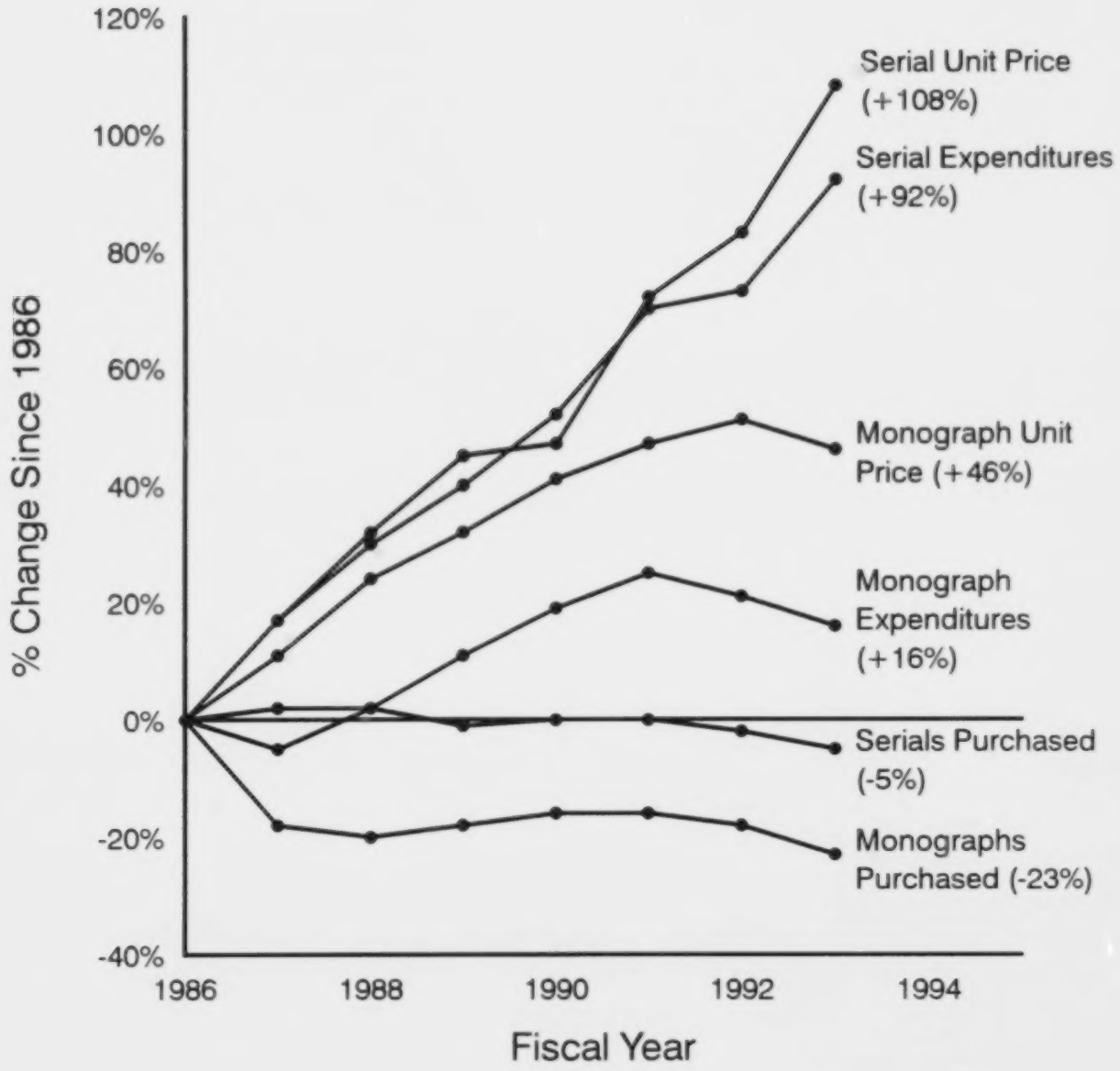
VIII. Appendices

A. List ARL Member Libraries 108

B. Graphs 111

1. Monograph and Serials Costs in ARL Libraries, 1986-1993
2. Resources per Student in ARL Libraries, 1986-1993
3. Supply and Demand in ARL Libraries, 1986-1993
4. ARL Library and U.S. ARL University Expenditures, 1982-92, in Constant (1982) Dollars

Monograph and Serial Costs in ARL Libraries, 1986-1993



Source: *1992-93 ARL Statistics*

Prepared by Kendon Stubbs; copyright © 1994 by the Association of Research Libraries

INTRODUCTION

The 1992-93 *ARL Statistics* presents data for the U.S. and Canadian libraries that were members of the Association of Research Libraries during the 1992-93 fiscal year. The ARL membership consisted of 108 university libraries and 11 public or private, independent research libraries.

Six new categories of data on library collections have been added to the 1992-93 report: manuscripts and archives (in linear feet); maps and other cartographic materials; slides, pictures, prints, and other graphic materials; compact disks, cassette tapes, and other audio materials; video and film materials; and floppy disks, CD-ROMs, and other computer files. These categories were previously covered in the internally distributed ARL supplementary statistics. Together with the collection categories already reported in the *ARL Statistics*, the new categories mirror the collection categories in the current U.S. IPEDS library reports, as well as in the not-yet-published revision of the NISO standard on library statistics (Z39.7); in turn, the collection categories are derived from the major divisions of the *Anglo-American Cataloguing Rules*. Also reported here, for the third year, is a data category for separately shelved government documents. Included in this category are publications of federal, state, and provincial governments and international organizations that are not represented in the libraries' online or other regular catalogs and that are housed separately from the general collections. Documents that are classified and individually represented in the catalogs, whether or not they are housed separately, and regardless of the type of classification, are to be included in the categories of Volumes in Library, Volumes Added, and Current Serials (Not Purchased and Total). For some libraries the addition of documents to volumes held and added and to serials may have produced discontinuities this year, as well as in the past two years, in their historical series of data. The Footnotes to this volume and the instructions for the ARL statistics questionnaire may provide further clarification about how libraries are integrating documents into their statistics.

* * * * *

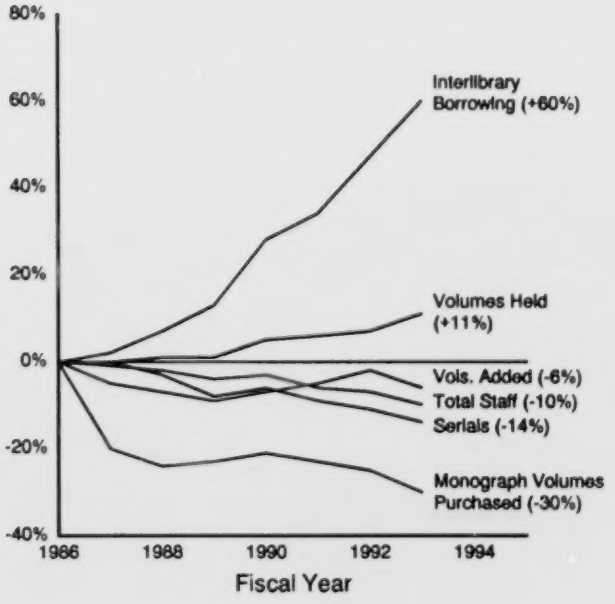
As new modes of electronic information drew increasing attention in ARL libraries in 1992-93, downward or level trends continued in the resources traditionally offered by research libraries to their users. The graph on the facing page, updating one in previous issues of the *ARL Statistics*, illustrates the trends in acquisitions of books and journals. The graph shows medians for the 106 ARL university libraries that have reported data since 1985-86.

In the six years from 1986 through 1993 the prices paid by ARL libraries per serial subscription more than doubled, while total expenditures for serials almost doubled. The 1993 expenditures of nearly twice as much as the libraries spent for serials in 1986 purchased 5% fewer subscriptions than the libraries maintained in 1986. In other words, after six years ARL members were offering students and faculty 95% of the serial resources, but at almost twice the cost. The price per subscription from 1986 through 1993 rose 13% per year, on the average.

The graph shows that the six-year trend in unit price increases is fairly constant, and offers no evidence to suggest that the trend will not persist. If it does continue, by the year 2000 the journal that had a median price in ARL academic libraries of $186.85 in 1993 will cost about $440.

The extraordinary increases in serials prices and expenditures have clearly had a negative impact on monograph acquisitions. Serials rose from 52% of the total materials budgets in 1986 to 63% in 1993. The share of the materials budget for monographs has consequently fallen by around 10%. As the graph shows, by 1993 ARL academic members were buying 23% fewer monographs than in 1986, but paying 16% more. That is, on the whole, students and faculty had access to local copies of only three of every four new books that the libraries had acquired in 1986. The downtrend in monograph acquisitions is not as consistent as the uptrend in serials unit prices. In 1993, moreover, for the first time since 1986, ARL university libraries typically paid slightly less per volume than in the preceding year (perhaps through foregoing more expensive monographs that they might have purchased in previous years?). Nevertheless, the monograph trends make it not unreasonable that by the year 2000 ARL libraries may be acquiring only half the new books that they acquired in 1986.

Resources per Student in ARL Libraries, 1986-1993



The graph on page 6 shows the effects of declining acquisitions and other resources on students served by ARL university libraries. Since 1986 the student population has increased by 11%. The libraries are buying 30% fewer monographs per student than in 1986; offer 14% fewer serial subscriptions; and are adding 6% fewer volumes to the collections per student. The median ARL library had the same number of total staff in 1993 as in 1986; but because of the growth in the size of the student population, there were 10% fewer staff per student. Because additions to the collections are cumulative, the gross number of volumes available to students rose by 11%. The one major increase in resource access shown in the graph is in interlibrary borrowing, where the number of borrowing transactions per student rose by 60%.

Both of the graphs confirm that serials prices continue to be a major problem in ARL libraries. There has been perhaps less publicity for the decline in monograph acquisitions. The ARL data suggest, however, that just as there is recognized to be a "serials crisis," equally or even more is there a monographs crisis.

* * * * *

Those using the *ARL Statistics* to compare individual libraries should consult the "Footnotes" and the symbols in the "ARL Library Data Tables." Although definitions used in the *Statistics* aim at consistency, differing reporting practices do exist among member libraries. To aid comparability in the *ARL Statistics*, expenditures of Canadian libraries are expressed in U.S. dollars, at the rate of 1.2488 Canadian dollars to one U.S. dollar. This exchange rate is the average of the average monthly noon exchange rates published in the *Bank of Canada Review* for the period July, 1992-June, 1993. Expenditures reported in Canadian dollars are given in the "Footnotes" to the *ARL Statistics*.

The quantitative rank order tables presented in this publication are not indicative of performance and outcomes, and should not be used as measures of library quality. In comparing any individual library to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and characteristics.

Kendon Stubbs
University of Virginia Library
January 31, 1994

LIBRARY DATA TABLES

LIBRARY DATA TABLES

I. COLLECTIONS

INSTITUTION		Volumes in Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total
		(1)	(2)	(3)	(4)	(5)	(6)	(7)
ALABAMA	LM+	1,949,073	49,502	47,044	22,705	10,392	5,772	16,164
ALBERTA	BLM+	3,389,394	152,561	149,069	54,297	15,873	6,099	21,972
ARIZONA	LM+	4,018,071	114,197	102,158	51,506	U/A	U/A	28,662
ARIZONA STATE	BL+	2,922,157	102,389	95,478	51,985	22,056	10,185	32,241
AUBURN	+	2,140,856	83,564	82,645	26,161	10,354	11,257	21,611
BOSTON	LM+	1,895,723	57,344	46,313	16,936	17,096	11,416	28,512
BRIGHAM YOUNG	+	2,262,029	69,112	60,309	39,117	13,511	4,187	17,698
BRITISH COLUMBIA	LM+	3,347,672	122,953	118,181	58,591	17,384	5,403	22,787
BROWN	b+	2,606,259	59,299	55,072	24,264	9,269	4,264	13,533
CALIFORNIA, BERKELEY	L+	7,981,724	144,157	127,094	U/A	U/A	U/A	89,730
CALIFORNIA, DAVIS	bLM+	2,659,270	81,558	70,542	77,053	U/A	U/A	50,298
CALIFORNIA, IRVINE	M+	1,598,488	45,389	42,209	25,442	U/A	U/A	17,550
CALIFORNIA, LOS ANGELES	LM+	6,390,409	175,991	143,089	162,374	U/A	U/A	94,612
CALIFORNIA, RIVERSIDE	G+	1,682,006	41,850	39,640	39,730	7,487	6,134	13,621
CALIFORNIA, SAN DIEGO	M+	2,241,696	78,173	52,974	61,887	17,867	6,547	24,414
CALIFORNIA, SANTA BARBARA	+	2,126,774	53,221	51,961	24,554	12,631	11,694	24,325
CASE WESTERN RESERVE	LM+	1,802,042	37,874	36,630	15,051	12,176	2,168	14,344
CHICAGO	bLM+	5,578,937	135,778	130,316	75,186	U/A	U/A	45,613
CINCINNATI	LM+	1,947,773	49,562	44,734	30,142	U/A	U/A	19,574
COLORADO	L	2,504,405	78,943	76,802	45,443	16,594	11,133	27,727
COLORADO STATE	+	1,505,169	63,724	54,713	19,121	8,845	12,023	20,868
COLUMBIA	LM+	6,386,712	139,073	124,550	U/A	41,595	23,405	65,000
CONNECTICUT	GBLM+	2,442,215	89,838	69,865	27,809	15,306	1,618	16,924
CORNELL	BL+	5,579,629	173,428	110,759	U/A	U/A	U/A	61,015

+ - See Footonotes
L - Includes Law Library
M - Includes Medical Library
G - Government Documents NOT Included in Serials Count
b - Bibliographic Count
B - Includes Branch Campuses
U/A - Unavailable
N/A - Not Applicable

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LIBRARY DATA TABLES

I. COLLECTIONS

Total Microform Units in Library	Government Documents	Computer Files	Archives and Manus.	Carto-graphic Materials	Graphic Materials	Audio-visual Materials	Video and Film	INSTITUTION
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
2,860,342	1,096,517	1,001	23,510	255,700	170,342	17,088	2,100	ALABAMA
3,453,945	421,085	3,404	9,186	1,453,000	U/A	U/A	U/A	ALBERTA
4,474,938	0	1,154	5,033	262,616	345,420	33,511	8,436	ARIZONA
5,984,180	575,200	512	8,604	171,081	468,170	38,230	27,053	ARIZONA STATE
2,811,499	394,114	397	7,021	133,571	72,809	13,357	4,927	AUBURN
3,208,474	U/A	432	29,765	1,700	21,289	29,436	251	BOSTON
2,006,215	355,680	3,032	15,512	208,702	18,295	48,695	1,613	BRIGHAM YOUNG
4,106,945	793,798	1,826	9,340	242,344	659,419	123,035	5,420	BRITISH COLUMBIA
1,296,893	0	U/A	4,404	125,658	279,143	43,640	2,532	BROWN
5,075,278	109,096	106	U/A	402,640	2,879,267	45,325	6,102	CALIFORNIA, BERKELEY
3,177,893	86,422	1,121	9,227	228,310	208,003	14,138	358	CALIFORNIA, DAVIS
2,009,936	486,545	1,841	U/A	8,914	U/A	12,270	2,113	CALIFORNIA, IRVINE
5,432,043	69,829	2,285	67,107	614,500	4,321,912	141,081	9,576	CALIFORNIA, LOS ANGELES
1,487,172	339,592	340	1,496	81,375	21,085	27,379	2,097	CALIFORNIA, RIVERSIDE
2,292,093	241,400	1,227	5,729	267,784	246,235	61,957	2,863	CALIFORNIA, SAN DIEGO
3,817,867	682,145	609	7,856	3,431,141	7,320	91,192	2,421	CALIFORNIA, SANTA BARBARA
2,089,795	29,082	929	878	63,800	71,683	26,851	4,331	CASE WESTERN RESERVE
1,978,634	U/A	81	17,148	369,269	571	38,293	895	CHICAGO
2,691,444	378,436	605	15,553	113,711	96,922	35,236	8,727	CINCINNATI
4,864,472	1,531,582	1,315	22,792	180,584	328,962	45,072	6,914	COLORADO
2,081,075	323,019	864	2,132	56,181	2,039	6,651	28	COLORADO STATE
4,648,797	162,516	U/A	205,857	125,821	174,050	U/A	U/A	COLUMBIA
3,433,212	U/A	611	12,970	157,586	4,741	18,742	5888	CONNECTICUT
6,129,806	U/A	2,293	52,775	206,986	31,256	69,448	8,679	CORNELL

U/A - Unavailable N/A - Not Applicable

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I. COLLECTIONS

INSTITUTION		Volumes in Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total
		(1)	(2)	(3)	(4)	(5)	(6)	(7)
DARTMOUTH	M•	1,992,074	83,844	81,299	30,111	16,173	3,970	20,143
DELAWARE	G•	2,119,899	50,639	49,458	31,012	19,883	1,058	20,941
DUKE	LM•	4,234,985	110,504	100,624	36,173	U/A	U/A	32,732
EMORY	BLM•	2,212,507	68,138	59,324	U/A	16,460	6,382	22,842
FLORIDA	GLM•	3,022,768	51,877	47,806	23,813	19,302	4,889	24,191
FLORIDA STATE	GBL•	2,026,509	53,399	49,397	U/A	U/A	U/A	18,420
GEORGETOWN	GLM•	1,965,113	61,493	54,400	31,347	22,666	1,897	24,763
GEORGIA	L	3,131,402	82,911	82,911	40,669	U/A	U/A	47,993
GEORGIA TECH	•	1,771,934	35,415	34,189	4,158	5,592	5,789	11,381
GUELPH	b•	2,058,632	46,902	43,091	18,842	7,946	4,999	12,945
HARVARD	LM•	12,605,537	245,643	215,100	U/A	U/A	U/A	96,357
HAWAII	•	2,718,618	89,339	67,361	U/A	23,335	13,257	36,592
HOUSTON	GL•	1,754,375	49,696	44,563	24,133	13,526	911	14,437
HOWARD	GLM	1,905,110	37,878	37,389	10,987	23,582	1,982	25,564
ILLINOIS, CHICAGO	M•	1,782,837	47,339	40,440	22,615	14,849	6,270	21,119
ILLINOIS, URBANA	L•	8,281,456	185,693	185,416	78,629	U/A	U/A	91,026
INDIANA	L	5,438,860	191,185	174,722	U/A	27,048	12,881	39,929
IOWA	LM•	3,317,265	69,383	64,124	39,198	19,833	20,214	40,047
IOWA STATE	•	1,994,376	43,218	39,163	19,965	14,754	6,793	21,547
JOHNS HOPKINS	M•	3,012,364	68,001	51,186	36,754	16,266	4,906	21,172
KANSAS	BLM•	3,193,850	81,733	80,885	50,287	18,925	14,122	33,047
KENT STATE	B	2,139,129	42,074	36,483	37,009	7,759	3,387	11,146
KENTUCKY	LM•	2,515,874	59,923	56,377	14,476	14,174	12,715	26,889
LAVAL	LM•	1,987,510	72,304	60,632	20,800	12,023	4,952	16,975

• - See Footonotes
L - Includes Law Library
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b - Bibliographic Count
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U/A - Unavailable
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LIBRARY DATA TABLES

I. COLLECTIONS

Total Microform Units in Library	Government Documents	Computer Files	Archives and Manus.	Carto-graphic Materials	Graphic Materials	Audio-visual Materials	Video and Film	INSTITUTION
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
2,334,384	0	993	10,814	165,577	345,950	22,937	2,339	DARTMOUTH
2,480,866	399,295	815	2,325	124,610	275	1,310	5,260	DELAWARE
1,878,712	1,526,941	326	4,039	123,161	U/A	22,600	12,660	DUKE
2,801,711	76,114	946	8,524	17,199	2,102	12,261	5,760	EMORY
5,282,887	1,172,537	11,440	6,561	652,822	98,602	13,686	5,419	FLORIDA
4,103,578	923,563	833	2,423	164,363	378	35,026	3,186	FLORIDA STATE
2,440,377	383,744	2,275	13,834	1,140	78,946	48,007	7,143	GEORGETOWN
5,039,725	809,554	144	27,648	564,871	U/A	41,202	20,083	GEORGIA
3,471,656	0	325	7,511	171,058	92,058	1,859	819	GEORGIA TECH
1,322,885	U/A	798	5,609	71,117	U/A	8,722	5,907	GUELPH
6,775,087	U/A	U/A	U/A	U/A	U/A	U/A	U/A	HARVARD
5,366,035	0	765	U/A	229,746	1,658	12,252	11,442	HAWAII
3,479,646	628,934	199	1,270	335	175	328	661	HOUSTON
3,510,103	0	277	6,600	84	32,671	12,804	4,767	HOWARD
2,112,590	613,718	291	17,034	168,039	230,000	12,029	7,121	ILLINOIS, CHICAGO
3,999,052	U/A	104	258,960	611,589	84,379	132,004	6,130	ILLINOIS, URBANA
3,260,559	0	U/A	35,127	555,869	380,102	264,445	24,521	INDIANA
5,057,309	997,182	3,036	8,124	329,453	226,252	20,598	4,232	IOWA
2,579,364	0	431	9,999	126,199	590,163	13,553	30,866	IOWA STATE
1,948,817	0	2,164	10,497	206,159	50,993	22,066	1,409	JOHNS HOPKINS
2,668,456	634,948	564	13,848	302,332	2,610,711	105,347	9,732	KANSAS
1,072,865	85	817	7,894	232,643	52,237	29,370	16,394	KENT STATE
5,039,306	1,170,862	1,028	21,568	224,573	586,679	28,557	33,210	KENTUCKY
1,079,766	291,200	320	0	311,046	198,102	13,263	10,205	LAVAL

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LIBRARY DATA TABLES

I. COLLECTIONS

INSTITUTION		Volumes in Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total
		(1)	(2)	(3)	(4)	(5)	(6)	(7)
LOUISIANA STATE	L+	2,709,757	56,559	55,272	25,996	10,292	5,877	16,169
MCGILL	bLM+	2,766,775	68,580	59,358	26,606	13,313	5,211	18,524
MCMASTER	M+	1,654,619	40,398	36,780	24,933	11,232	3,689	14,921
MANITOBA	LM+	1,609,237	39,003	35,335	17,507	10,626	1,302	11,928
MARYLAND	+	**2,231,552**	**63,163**	**56,924**	**25,583**	**16,912**	**2,521**	**19,433**
MASSACHUSETTS	+	**2,575,292**	**64,875**	**63,734**	**32,316**	**10,692**	**4,854**	**15,546**
MIT	+	**2,320,524**	**59,646**	**52,576**	**18,585**	**8,979**	**12,157**	**21,136**
MIAMI	LM+	**1,875,556**	**84,325**	**78,314**	**37,145**	**14,915**	**3,975**	**18,890**
MICHIGAN	LM+	6,699,359	128,765	100,785	U/A	36,872	33,819	70,691
MICHIGAN STATE	+	2,939,376	88,695	78,502	35,192	13,449	14,427	27,876
MINNESOTA	bLM+	5,008,637	129,858	99,655	U/A	41,665	10,353	52,018
MISSOURI	LM	2,630,419	58,017	51,166	28,579	12,638	10,050	22,688
NEBRASKA	L+	**2,164,254**	**59,585**	**56,815**	**20,290**	**17,060**	**4,611**	**21,671**
NEW MEXICO	bLM+	**1,859,848**	**47,229**	**43,891**	**26,171**	**14,741**	**7,054**	**21,795**
NEW YORK	LM+	**3,273,708**	**68,472**	**49,563**	**51,170**	**27,438**	**1,251**	**28,689**
NORTH CAROLINA	LM+	**4,059,441**	**112,493**	**103,203**	**58,308**	**U/A**	**U/A**	**38,288**
NORTH CAROLINA STATE	+	1,485,041	48,781	39,084	16,729	8,789	9,297	18,086
NORTHWESTERN	BLM+	3,642,790	78,204	66,157	U/A	U/A	U/A	37,424
NOTRE DAME	GL+	2,252,029	63,451	55,912	U/A	U/A	U/A	21,727
OHIO STATE	bLM+	4,693,081	110,647	89,771	52,612	24,122	8,888	33,010
OKLAHOMA	LM+	**2,430,404**	**52,258**	**49,100**	**17,516**	**16,492**	**908**	**17,400**
OKLAHOMA STATE	BM+	**1,705,986**	**87,031**	**75,660**	**8,089**	**U/A**	**U/A**	**17,553**
OREGON	L+	**2,024,323**	**45,650**	**43,163**	**33,358**	**13,898**	**4,016**	**17,914**
PENNSYLVANIA	LM+	**4,099,548**	**264,165**	**255,134**	**45,276**	**U/A**	**U/A**	**33,024**

+ - See Footonotes
L - Includes Law Library
M - Includes Medical Library

G - Government Documents NOT Included in Serials Count
b - Bibliographic Count
B - Includes Branch Campuses

U/A - Unavailable
N/A - Not Applicable

BEST COPY AVAILABLE

LIBRARY DATA TABLES

I. COLLECTIONS

Total Microform Units in Library	Government Documents	Computer Files	Archives and Manus	Carto-graphic Materials	Graphic Materials	Audio-visual Materials	Video and Film	INSTITUTION
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
4,029,760	86,624	653	18,050	U/A	40	2,170	1,237	LOUISIANA STATE
1,245,360	827,737	792	908	225,677	121,972	26,564	2,795	MCGILL
1,314,572	0	317	10,127	129,723	6,612	28,052	1,996	MCMASTER
1,153,316	488,466	1,732	1,913	102,476	642,931	16,741	1,768	MANITOBA
4,796,258	**778,572**	**296**	**19,289**	**205,048**	**67,837**	**123,510**	**13,508**	**MARYLAND**
1,993,325	**0**	**586**	**9,038**	**126,408**	**84,775**	**12,595**	**1,688**	**MASSACHUSETTS**
1,969,869	**0**	**2,213**	**7,802**	**107,923**	**401,342**	**18,027**	**1,939**	**MIT**
3,192,822	**948,000**	**1,144**	**5,079**	**36,626**	**0**	**35,603**	**2,652**	**MIAMI**
4,905,227	0	952	27,807	285,135	1,613,000	29,612	18,089	MICHIGAN
4,761,500	905,914	3,106	26,599	201,934	1,817	30,618	71	MICHIGAN STATE
4,356,552	2,908,437	1,802	38,709	376,527	471,563	57,596	6,785	MINNESOTA
5,167,063	1,680,641	515	3,501	U/A	U/A	14,674	U/A	MISSOURI
3,723,785	**844,078**	**119**	**7,824**	**140,361**	**3,128**	**19,434**	**457**	**NEBRASKA**
5,531,424	**279,021**	**1,382**	**15,311**	**196,011**	**110,640**	**33,402**	**3,313**	**NEW MEXICO**
3,236,036	**379,769**	**124**	**10,907**	**0**	**444,020**	**43,407**	**5,336**	**NEW YORK**
3,581,616	**1,823,523**	**1,321**	**17,920**	**281,606**	**463,560**	**96,587**	**10,353**	**NORTH CAROLINA**
3,701,627	849,310	868	2,730	31,236	87,081	1,821	7,764	NORTH CAROLINA STATE
2,741,068	0	780	14,851	206,482	282,560	43,377	8,518	NORTHWESTERN
2,285,472	161,668	U/A	U/A	69,186	U/A	10,750	1,761	NOTRE DAME
3,700,774	131,664	590	14,850	162,872	1,504,020	34,337	2,289	OHIO STATE
3,294,140	**1,224,101**	**45**	**9,541**	**138,544**	**185,036**	**1,958**	**3,428**	**OKLAHOMA**
2,786,695	**275**	**1,482**	**5,000**	**243,365**	**43,118**	**5,007**	**5,743**	**OKLAHOMA STATE**
1,973,513	**497,091**	**79**	**41,073**	**825,967**	**991,871**	**50,625**	**3,070**	**OREGON**
2,691,254	**0**	**78**	**9,000**	**116,050**	**421,921**	**40,660**	**560**	**PENNSYLVANIA**

U/A - Unavailable N/A - Not Applicable

BEST COPY AVAILABLE

LIBRARY DATA TABLES

I. COLLECTIONS

INSTITUTION		Volumes in Library (1)	Volumes Added (Gross) (2)	Volumes Added (Net) (3)	Mono-graphs Purchased (4)	Current Serials Purchased (5)	Current Serials Not Purchased (6)	Current Serials Total (7)
PENNSYLVANIA STATE	B+	3,421,370	133,805	120,888	U/A	21,052	10,655	31,707
PITTSBURGH	LM+	3,122,798	89,968	81,242	U/A	U/A	U/A	24,991
PRINCETON	+	5,081,114	122,674	115,756	80,889	27,921	2,735	30,656
PURDUE	bG+	2,076,302	67,814	53,521	18,421	12,151	1,988	14,139
QUEEN'S	bGLM+	1,937,296	60,973	51,705	25,678	14,036	764	14,800
RICE	b+	1,794,602	57,507	49,119	25,572	10,753	2,972	13,725
ROCHESTER	M+	2,812,892	42,243	38,000	20,123	11,410	1,475	12,885
RUTGERS	BL+	3,441,294	83,431	73,631	46,951	U/A	U/A	32,584
SASKATCHEWAN	LM+	1,547,741	60,922	36,825	20,794	9,364	4,456	13,820
SOUTH CAROLINA	LM+	2,576,311	53,490	49,903	24,014	U/A	U/A	19,232
SOUTHERN CALIFORNIA	bLM+	3,168,969	76,861	65,428	40,191	U/A	U/A	24,832
SOUTHERN ILLINOIS	GL+	2,248,064	57,508	48,240	17,855	16,112	935	17,047
STANFORD	GLM+	6,250,671	142,839	123,283	U/A	U/A	U/A	46,397
SUNY-ALBANY	B+	1,748,697	37,336	14,144	17,400	16,039	0	16,039
SUNY-BUFFALO	GLM+	2,797,145	87,882	72,923	24,396	17,278	5,315	22,593
SUNY-STONY BROOK	M+	1,848,618	42,158	41,137	17,990	10,102	6,850	16,952
SYRACUSE	L+	2,572,485	45,932	38,529	14,317	U/A	U/A	16,477
TEMPLE	BLM+	2,189,431	52,069	43,030	24,274	11,599	4,100	15,699
TENNESSEE	L	2,021,903	64,811	62,735	24,506	15,463	3,418	18,881
TEXAS	L+	6,835,983	173,891	155,577	47,847	28,991	22,698	51,689
TEXAS A&M	bBGM+	2,154,600	121,069	118,674	31,460	12,831	3,356	16,187
TORONTO	LM+	6,408,524	185,478	161,832	148,333	32,212	8,891	41,103
TULANE	GLM+	1,943,858	58,415	50,723	29,906	15,016	1,918	16,934
UTAH	LM+	2,345,111	76,056	71,924	U/A	U/A	U/A	19,572

+ - See Footonotes
L - Includes Law Library
M - Includes Medical Library

G - Government Documents NOT Included in Serials Count
b - Bibliographic Count
B - Includes Branch Campuses

U/A - Unavailable
N/A - Not Applicable

BEST COPY AVAILABLE

LIBRARY DATA TABLES

I. COLLECTIONS

Total Microform Units in Library	Government Documents	Computer Files	Archives and Manus.	Carto-graphic Materials	Graphic Materials	Audio-visual Materials	Video and Film	INSTITUTION
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
2,998,995	0	105	15,574	349,649	421,750	82,168	3,359	PENNSYLVANIA STATE
2,933,522	0	630	14,910	96,512	670,123	34,293	9,427	PITTSBURGH
3,038,830	U/A	887	35,013	388,146	57,625	51,483	U/A	PRINCETON
2,061,467	470,735	1,508	1,629	289,600	2,116	4,382	7,363	PURDUE
3,232,173	**980,603**	**U/A**	**U/A**	**140,819**	**26,962**	**U/A**	**U/A**	**QUEEN'S**
2,075,472	**319,698**	**1,816**	**4,215**	**24,686**	**24,152**	**15,637**	**1,906**	**RICE**
3,781,757	**457,214**	**2,701**	**17,275**	**97,000**	**7,500**	**61,512**	**556**	**ROCHESTER**
4,580,450	**2,481,562**	**U/A**	**18,089**	**U/A**	**U/A**	**U/A**	**U/A**	**RUTGERS**
2,533,259	299,213	970	237	66,202	59,955	8,817	525	SASKATCHEWAN
3,971,189	729,018	127	5,993	300,000	250,000	21,357	5,653	SOUTH CAROLINA
3,947,401	453,215	1,504	33,787	4	3,098,568	22,396	3,215	SOUTHERN CALIFORNIA
3,537,477	374,107	1,129	15,888	281,358	18,382	23,301	8,057	SOUTHERN ILLINOIS
4,140,910	**U/A**	**3,275**	**53,693**	**217,652**	**609,256**	**224,405**	**38,723**	**STANFORD**
2,685,313	**0**	**2,866**	**4,871**	**46,938**	**36,571**	**4,431**	**1,547**	**SUNY-ALBANY**
4,257,466	**530,000**	**81**	**7,328**	**181,500**	**7,300**	**34,000**	**2,600**	**SUNY-BUFFALO**
3,188,571	**124,962**	**336**	**4,710**	**118,276**	**122**	**22,693**	**3,099**	**SUNY-STONY BROOK**
3,147,583	431,802	376	42,138	174,801	338,652	395,649	2,850	SYRACUSE
2,189,289	177,946	1,962	30,130	113,426	10,003,608	20,734	1,475	TEMPLE
2,928,027	691,718	167	7,027	350,000	139,598	25,626	5,119	TENNESSEE
4,916,806	0	1,430	73,430	347,794	6,542,197	92,057	13,153	TEXAS
4,217,750	**65,519**	**2,506**	**14,433**	**167,003**	**6,718**	**4,401**	**6,317**	**TEXAS A&M**
1,336,183	**1,747,107**	**732**	**16,450**	**261,256**	**585,814**	**156,985**	**6,775**	**TORONTO**
2,260,518	**918,682**	**566**	**34,380**	**5,410**	**157,712**	**59,460**	**1,271**	**TULANE**
3,112,864	**700,343**	**1,029**	**14,960**	**174,908**	**554,346**	**34,342**	**12,206**	**UTAH**

U/A - Unavailable N/A - Not Applicable

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LIBRARY DATA TABLES

I. COLLECTIONS

INSTITUTION		Volumes in Library (1)	Volumes Added (Gross) (2)	Volumes Added (Net) (3)	Mono-graphs Purchased (4)	Current Serials Purchased (5)	Current Serials Not Purchased (6)	Current Serials Total (7)
VANDERBILT	GLM+	2,085,652	66,068	59,651	34,142	15,135	1,222	16,357
VIRGINIA	LM+	3,948,504	109,970	94,373	48,787	23,379	20,970	44,349
VPI & SU	+	1,849,994	55,284	51,019	32,485	15,418	2,870	18,288
WASHINGTON	LM+	5,248,347	143,303	85,045	35,292	U/A	U/A	54,517
WASHINGTON STATE	**+**	**1,717,764**	**38,711**	**38,264**	**18,737**	**U/A**	**U/A**	**24,038**
WASHINGTON U.-ST. LOUIS	**GLM+**	**2,979,934**	**63,708**	**53,383**	**24,295**	**U/A**	**U/A**	**18,601**
WATERLOO	**+**	**1,716,502**	**49,962**	**39,791**	**22,659**	**14,387**	**1,809**	**16,196**
WAYNE STATE	**bLM+**	**2,752,167**	**88,868**	**85,079**	**20,406**	**16,262**	**8,206**	**24,468**
WESTERN ONTARIO	LM+	2,104,301	63,855	51,571	41,730	12,858	5,912	18,770
WISCONSIN	GLM+	5,424,299	118,122	106,919	67,417	U/A	U/A	46,651
YALE	bLM+	9,327,219	163,217	153,238	104,374	U/A	U/A	52,971
YORK	BL+	2,011,251	65,483	62,259	U/A	U/A	U/A	19,312
BOSTON PUBLIC LIBRARY	**G+**	**6,319,206**	**273,506**	**186,961**	**149,686**	**17,651**	**U/A**	**17,651**
CANADA INST. FOR SCITECH.	**bB+**	**2,326,919**	**22,335**	**21,406**	**9,849**	**U/A**	**U/A**	**30,929**
CENTER FOR RESEARCH LIBS.	**bG+**	**3,314,749**	**44,529**	**44,529**	**5,523**	**U/A**	**U/A**	**14,064**
LIBRARY OF CONGRESS	**L+**	**22,648,218**	**359,437**	**354,448**	**124,019**	**27,852**	**150,000**	**177,852**
LINDA HALL LIBRARY	G+	689,649	12,451	12,449	7,360	9,900	1,720	11,620
NATL. AGRICULTURAL LIB.	b+	2,145,182	18,694	18,687	6,742	7,010	15,000	22,010
NATL. LIBRARY OF CANADA	+	1,737,084	68,490	68,302	17,738	7,309	37,243	44,552
NATL. LIBRARY OF MEDICINE	M+	2,074,969	30,068	30,068	13,284	24,455	4,139	28,594
NEW YORK PUBLIC LIBRARY	**G+**	**6,886,810**	**134,772**	**131,314**	**65,911**	**U/A**	**U/A**	**160,197**
NEW YORK STATE LIBRARY	**LM+**	**2,253,617**	**27,212**	**27,201**	**8,194**	**7,927**	**10,655**	**18,582**
SMITHSONIAN INSTITUTION	**GB+**	**1,157,611**	**18,413**	**15,477**	**6,420**	**3,338**	**3,100**	**6,438**

+ - See Footonotes
L - Includes Law Library
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G - Government Documents NOT Included in Serials Count
b - Bibliographic Count
B - Includes Branch Campuses
U/A - Unavailable
N/A - Not Applicable

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LIBRARY DATA TABLES

I. COLLECTIONS

Total Microform Units in Library	Government Documents	Computer Files	Archives and Manus	Carto-graphic Materials	Graphic Materials	Audio-visual Materials	Video and Film	INSTITUTION
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
2,152,658	306,480	2,215	5,990	102,495	1,174	20,731	15,082	VANDERBILT
4,105,665	795,603	1,414	17,472	132,710	406,255	44,566	14,075	VIRGINIA
5,475,305	356,422	1,087	4,400	124,825	60,000	7,520	6,060	VPI & SU
5,897,649	U/A	2,939	47,433	261,067	787,864	61,988	5,637	WASHINGTON
2,899,011	U/A	U/A	13,090	915	301,753	11,528	25,049	WASHINGTON STATE
2,419,941	4,050	1,105	7,527	102,558	3,546	30,165	3,497	WASHINGTON U.-ST. LOUIS
1,112,959	0	U/A	2,353	129,008	U/A	4,509	U/A	WATERLOO
3,316,420	364,580	786	65,000	52,000	900,300	27,265	12,185	WAYNE STATE
2,866,316	0	522	9,675	2,039	49,902	34,876	1,960	WESTERN ONTARIO
3,963,028	278,158	3,512	3,001	209,040	29,874	133,026	8,837	WISCONSIN
4,410,748	987,778	U/A	48,704	425,475	2,190,661	172,276	2,615	YALE
3,025,731	0	36	7,216	99,976	13,917	36,823	3,941	YORK
5,116,163	1,428,880	510	N/A	N/A	N/A	40,274	18,476	BOSTON PUBLIC LIBRARY
2,325,486	U/A	U/A	U/A	U/A	U/A	U/A	U/A	CANADA INST. FOR SCITECH.
1,406,999	0	0	0	0	0	0	0	CENTER FOR RESEARCH LIB.
9,793,544	U/A	1,754	50,000	4,247,049	15,603,147	2,161,976	721,563	LIBRARY OF CONGRESS
1,152,000	U/A	67	0	73,000	0	20	4	LINDA HALL LIBRARY
987,727	U/A	40	6	153	163	30	268	NATL. AGRICULTURAL LIB.
4,834,409	2,946,363	28	2,900	U/A	U/A	155,500	950	NATL. LIBRARY OF CANADA
325,482	0	U/A	1,465	0	56,600	U/A	55,736	NATL. LIBRARY OF MEDICINE
4,127,273	6,708	U/A	26,940	404,115	3,880,489	530,210	33,426	NEW YORK PUBLIC LIBRARY
5,668,250	U/A	508	19,500	196,000	53,000	U/A	U/A	NEW YORK STATE LIBRARY
U/A	U/A	21	U/A	U/A	U/A	U/A	U/A	SMITHSONIAN INSTITUTION

U/A - Unavailable N/A - Not Applicable

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LIBRARY DATA TABLES: COLLECTIONS

TOTALS

Volumes in Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Govt. Docs.
			UNIVERSITY MEDIAN				
2,436,310	67,908	59,341	27,809	15,016	5,211	21,641	364,580
			UNIVERSITY HIGH				
12,605,537	264,165	225,134	162,374	41,665	33,819	96,357	2,908,437
			UNIVERSITY LOW				
1,485,041	35,415	14,144	4,158	5,592	0	11,146	0
			TOTALS - UNIVERSITY LIBRARIES				
336,366,536	9,069,542	8,003,702	3,273,574	1,266,626	532,454	3,040,833	47,566,141
			TOTALS - NONUNIVERSITY LIBRARIES				
51,554,014	1,009,907	910,842	414,726	105,442	221,857	532,489	4,381,951
			GRAND TOTALS - ALL ARL LIBRARIES				
387,920,550	10,079,449	8,914,544	3,688,300	1,372,068	754,311	3,573,322	51,948,092

LIBRARY DATA TABLES: COLLECTIONS

TOTALS

Total Microform Units in Library	Computer Files	Archives and Manus.	Cartographic Materials	Graphic Materials	Audio Materials	Video and Film
			UNIVERSITY MEDIAN			
3,190,697	849	10,063	167,521	104,621	28,557	5,023
			UNIVERSITY HIGH			
6,775,087	11,440	258,960	3,431,141	10,003,608	395,649	38,723
			UNIVERSITY LOW			
1,072,865	36	0	0	0	328	28
			TOTALS - UNIVERSITY LIBRARIES			
357,350,425	116,171	2,029,954	24,563,164	52,404,483	4,617,382	681,844
			TOTALS - NONUNIVERSITY LIBRARIES			
35,737,333	2,928	100,811	4,920,317	19,593,399	2,888,010	830,423
			GRAND TOTALS - ALL ARL LIBRARIES			
393,087,758	119,099	2,130,765	29,483,481	71,997,882	7,505,392	1,512,267

LIBRARY DATA TABLES

II. EXPENDITURES

INSTITUTION		Monographs (1)	Current Serials (2)	Other Library Materials (3)	Misc. Materials Expend. (4)	Total Library Materials (5)	Contract Binding (6)
ALABAMA	LM+	844,146	2,318,715	19,109	27,000	3,208,970	135,021
ALBERTA	BLM+	1,635,441	2,924,877	U/A	94,151	4,654,469	138,907
ARIZONA	LM+	2,157,702	3,600,885	275,139	330,142	6,363,868	236,188
ARIZONA STATE	BL+	2,095,716	3,426,321	759,145	116,314	6,397,496	189,249
AUBURN	+	**900,730**	**2,418,605**	**224,227**	**14,180**	**3,557,742**	**100,340**
BOSTON	LM+	**677,902**	**2,708,614**	**153,727**	**7,669**	**3,547,912**	**189,969**
BRIGHAM YOUNG	+	**1,733,798**	**2,052,692**	**U/A**	**225,304**	**4,011,794**	**173,674**
BRITISH COLUMBIA	LM+	**2,148,670**	**3,656,513**	**U/A**	**0**	**5,805,183**	**219,143**
BROWN	+	1,560,685	2,146,009	10,022	0	3,716,716	179,519
CALIFORNIA, BERKELEY	L+	3,485,085	5,339,259	U/A	U/A	8,824,344	874,106
CALIFORNIA, DAVIS	LM+	1,762,768	3,156,403	111,358	413,704	5,444,233	286,270
CALIFORNIA, IRVINE	M	1,205,482	2,465,563	166,900	0	3,837,945	206,669
CALIFORNIA, LOS ANGELES	LM	**3,626,546**	**4,111,647**	**836,237**	**0**	**8,574,430**	**545,549**
CALIFORNIA, RIVERSIDE	+	**954,332**	**1,528,811**	**184,233**	**0**	**2,667,376**	**181,103**
CALIFORNIA, SAN DIEGO	M+	**1,218,985**	**3,198,481**	**198,521**	**18,604**	**4,634,591**	**373,325**
CALIFORNIA, SANTA BARBARA	+	**1,229,623**	**2,304,042**	**U/A**	**U/A**	**3,533,665**	**215,666**
CASE WESTERN RESERVE	LM+	561,294	2,708,168	206,816	31,504	3,507,782	98,775
CHICAGO	LM+	2,259,366	3,592,089	56,758	0	5,908,213	495,598
CINCINNATI	LM+	1,136,167	3,112,121	179,820	169,746	4,597,854	165,608
COLORADO	L+	1,585,178	3,445,236	1,324,859	242,172	6,597,445	224,817
COLORADO STATE	+	**938,296**	**1,941,423**	**37,587**	**261,236**	**3,178,542**	**125,000**
COLUMBIA	LM+	**3,192,906**	**4,829,292**	**U/A**	**54,191**	**8,076,389**	**453,404**
CONNECTICUT	BLM	**1,890,888**	**2,548,015**	**463,763**	**113,239**	**5,015,905**	**243,860**
CORNELL	BL	**3,281,752**	**4,318,095**	**1,036,343**	**161,918**	**8,798,108**	**235,812**

+ - See Footonotes
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M - Includes Medical Library

U/A - Unavailable
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B - Includes Branch Campuses

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LIBRARY DATA TABLES

II. EXPENDITURES

Salaries & Wages Professional Staff (7)	Salaries & Wages Support Staff (8)	Salaries & Wages Student Assistants (9)	Total Salaries & Wages (10)	Other Operating Expenditures (11)	Total Library Expenditures (12)	INSTITUTION
1,742,399	1,309,127	450,905	3,502,431	1,090,791	7,937,213	ALABAMA
3,457,167	6,173,037	508,232	10,138,436	1,228,275	16,160,087	ALBERTA
3,297,118	3,066,566	818,926	7,182,610	2,369,585	16,152,251	ARIZONA
3,799,744	3,271,501	539,944	7,611,189	1,908,250	16,106,184	ARIZONA STATE
1,650,886	1,301,512	382,947	3,335,345	823,881	7,817,308	AUBURN
2,022,457	2,887,848	342,875	5,253,180	1,811,119	10,802,180	BOSTON
3,236,195	806,582	1,577,174	5,619,951	1,734,662	11,540,081	BRIGHAM YOUNG
4,492,611	5,997,073	1,055,145	11,544,829	2,238,190	19,807,345	BRITISH COLUMBIA
2,724,878	2,193,525	362,149	5,280,552	2,038,418	11,215,205	BROWN
4,892,987	8,240,252	5,137,005	18,270,244	4,413,262	32,381,956	CALIFORNIA, BERKELEY
3,052,741	4,693,444	670,780	8,416,965	1,084,165	15,231,633	CALIFORNIA, DAVIS
2,705,376	3,305,738	709,742	6,720,856	1,482,464	12,247,934	CALIFORNIA, IRVINE
5,547,366	6,066,631	2,058,107	13,672,104	6,554,163	29,346,246	CALIFORNIA, LOS ANGELES
1,603,200	1,969,334	465,574	4,038,108	606,938	7,493,525	CALIFORNIA, RIVERSIDE
3,745,068	3,992,260	1,075,772	8,813,100	1,802,320	15,623,336	CALIFORNIA, SAN DIEGO
2,201,740	2,959,196	772,574	5,933,510	1,764,684	11,447,525	CALIFORNIA, SANTA BARBARA
2,198,262	1,581,251	395,766	4,175,279	843,385	8,625,221	CASE WESTERN RESERVE
2,802,607	4,845,233	984,925	8,632,765	2,455,800	17,492,376	CHICAGO
2,218,530	3,058,485	634,810	5,911,825	1,156,150	11,831,437	CINCINNATI
2,157,921	2,997,997	714,053	5,869,971	809,191	13,501,424	COLORADO
1,461,592	1,614,431	453,335	3,529,358	936,301	7,769,201	COLORADO STATE
6,935,012	6,356,289	1,103,583	14,394,884	4,233,496	27,158,173	COLUMBIA
U/A	U/A	784,394	5,991,430	2,006,487	13,257,682	CONNECTICUT
6,979,494	5,945,494	926,713	13,851,701	5,141,412	28,027,033	CORNELL

U/A - Unavailable N/A - Not Applicable

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LIBRARY DATA TABLES

II. EXPENDITURES

INSTITUTION		Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.	Total Library Materials	Contract Binding
		(1)	(2)	(3)	(4)	(5)	(6)
DARTMOUTH	M	1,261,080	2,345,527	161,081	0	3,767,688	144,631
DELAWARE	+	1,911,798	2,185,548	U/A	0	4,097,346	144,675
DUKE	LM+	2,243,072	3,810,829	286,229	132,596	6,472,726	226,524
EMORY	BLM+	1,945,392	3,082,733	404,219	149,949	5,582,293	191,928
FLORIDA	LM+	767,000	3,332,851	568,032	34,035	4,701,918	167,373
FLORIDA STATE	BL+	1,096,908	2,890,266	71,144	67,288	4,125,606	221,766
GEORGETOWN	LM+	1,877,473	2,417,660	469,572	76,331	4,841,036	206,785
GEORGIA	L+	1,691,769	3,352,466	557,700	0	5,601,935	238,518
GEORGIA TECH		428,378	1,707,521	114,213	0	2,250,112	66,059
GUELPH	+	987,394	1,526,364	38,664	13,540	2,565,962	90,446
HARVARD	LM+	5,665,566	6,157,125	1,711,428	20,308	13,554,427	977,679
HAWAII	+	1,517,252	2,240,339	296,623	0	4,054,214	274,440
HOUSTON	L+	967,405	2,330,914	310,389	196,903	3,807,611	78,844
HOWARD	LM+	541,389	3,071,302	U/A	0	3,612,691	128,013
ILLINOIS, CHICAGO	M	1,080,484	3,058,870	166,629	0	4,305,983	163,790
ILLINOIS, URBANA	L+	2,362,491	4,146,414	17,741	219,386	6,746,032	276,556
INDIANA	L+	2,823,182	3,506,859	532,237	279,211	7,141,489	310,660
IOWA	LM+	1,787,235	2,795,180	537,941	283,210	5,403,566	175,119
IOWA STATE	+	1,109,030	3,011,199	97,550	71,084	4,288,863	169,970
JOHNS HOPKINS	M+	2,479,322	3,347,212	583,007	98,238	6,507,779	159,573
KANSAS	BLM+	2,199,330	2,919,756	37,069	38,181	5,194,336	179,689
KENT STATE	B+	710,929	1,663,795	143,952	32,727	2,551,403	89,932
KENTUCKY	LM+	899,736	3,067,086	147,444	144,354	4,058,620	116,473
LAVAL	LM+	1,113,704	2,770,830	89,415	62,129	4,036,078	38,294

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M - Includes Medical Library

U/A - Unavailable
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LIBRARY DATA TABLES

II. EXPENDITURES

Salaries & Wages Professional Staff	Salaries & Wages Support Staff	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expenditures	Total Library Expenditures	INSTITUTION
(7)	(8)	(9)	(10)	(11)	(12)	
2,226,698	2,170,449	317,900	4,715,047	1,527,261	10,154,627	DARTMOUTH
1,920,369	2,154,983	447,118	4,522,470	951,606	9,716,097	DELAWARE
4,178,065	3,569,261	390,090	8,137,416	2,510,111	17,346,777	DUKE
2,667,043	2,734,779	519,751	5,921,573	2,569,538	14,265,332	EMORY
3,887,962	3,564,099	739,338	8,191,399	1,516,513	14,577,203	FLORIDA
1,615,878	1,631,044	492,446	3,739,368	668,057	8,754,797	FLORIDA STATE
3,304,660	3,205,264	738,116	7,248,040	1,838,266	14,134,147	GEORGETOWN
2,685,168	2,939,381	711,912	6,336,461	1,416,093	13,593,007	GEORGIA
1,504,925	793,883	74,740	2,373,548	637,366	5,327,085	GEORGIA TECH
1,220,837	2,781,135	92,363	4,094,335	450,470	7,201,213	GUELPH
16,897,797	12,858,591	1,128,291	30,884,679	12,561,231	57,978,016	HARVARD
3,222,876	2,559,149	1,031,514	6,813,539	964,910	12,107,103	HAWAII
1,794,575	1,225,794	793,089	3,813,458	1,172,314	8,872,227	HOUSTON
2,652,227	2,274,441	242,453	5,169,121	689,746	9,599,571	HOWARD
2,769,898	3,168,320	357,742	6,295,960	1,545,702	12,311,435	ILLINOIS, CHICAGO
5,122,227	4,164,859	953,620	10,240,706	2,405,123	19,668,417	ILLINOIS, URBANA
5,171,630	3,635,530	1,597,588	10,404,748	2,975,064	20,831,961	INDIANA
3,717,328	2,383,617	785,777	6,886,722	1,594,982	14,060,389	IOWA
1,846,289	2,645,010	532,723	5,024,022	2,522,762	12,005,617	IOWA STATE
3,116,413	3,724,565	459,997	7,300,975	3,955,229	17,923,556	JOHNS HOPKINS
3,029,050	2,540,418	859,264	6,428,732	1,327,900	13,130,657	KANSAS
2,156,032	2,476,511	546,780	5,179,323	990,491	8,811,149	KENT STATE
2,657,855	2,005,769	959,063	5,622,687	1,219,753	11,017,533	KENTUCKY
3,341,557	4,647,944	175,148	8,164,649	664,443	12,903,464	LAVAL

U/A - Unavailable N/A - Not Applicable

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LIBRARY DATA TABLES

II. EXPENDITURES

INSTITUTION		Monographs (1)	Current Serials (2)	Other Library Materials (3)	Misc. Materials Expend. (4)	Total Library Materials (5)	Contract Binding (6)
LOUISIANA STATE	L•	898,938	2,253,532	U/A	0	3,152,470	161,094
MCGILL	LM•	1,359,821	2,459,006	U/A	223,872	4,042,699	179,583
MCMASTER	M•	1,115,534	2,539,063	12,073	22,594	3,689,264	97,250
MANITOBA	LM•	702,489	1,985,444	U/A	60,765	2,748,698	145,740
MARYLAND	•	1,385,336	2,649,210	243,569	240,211	4,518,326	199,516
MASSACHUSETTS	•	1,120,259	2,290,997	108,348	0	3,519,604	129,939
MIT	•	885,191	2,302,094	U/A	359,843	3,527,128	197,398
MIAMI	LM•	1,272,424	3,117,595	517,413	14,868	4,922,300	136,530
MICHIGAN	LM•	3,717,529	5,576,254	321,730	356,555	9,972,068	369,204
MICHIGAN STATE	•	1,618,487	2,947,989	U/A	83,772	4,650,248	231,262
MINNESOTA	LM	2,244,475	5,076,536	546,522	183,296	8,050,829	517,286
MISSOURI	LM•	1,066,098	2,596,225	29,116	117,307	3,808,746	145,346
NEBRASKA	L•	934,127	2,622,037	134,547	75,276	3,765,987	163,381
NEW MEXICO	LM•	642,015	3,032,952	89,866	484,415	4,249,268	152,809
NEW YORK	LM•	2,298,896	3,761,232	287,581	64,069	6,411,778	434,125
NORTH CAROLINA	LM•	2,253,222	3,781,034	734,097	56,985	6,825,338	207,070
NORTH CAROLINA STATE	•	1,184,005	2,234,627	571,939	245,934	4,236,505	152,382
NORTHWESTERN	BLM•	1,585,406	3,234,941	304,309	251,436	5,376,092	193,234
NOTRE DAME	L	1,352,327	2,180,693	149,194	66,654	3,748,868	104,645
OHIO STATE	LM•	1,710,484	4,566,227	23,051	59,179	6,358,941	285,405
OKLAHOMA	LM	842,838	2,616,021	132,455	131,685	3,722,999	107,740
OKLAHOMA STATE	M•	396,839	1,832,108	144,053	7,800	2,380,800	97,148
OREGON	L•	1,191,958	2,616,853	U/A	199,034	4,007,845	148,797
PENNSYLVANIA	LM	2,198,769	3,651,276	578,890	0	6,428,935	250,084

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LIBRARY DATA TABLES

II. EXPENDITURES

Salaries & Wages Professional Staff (7)	Salaries & Wages Support Staff (8)	Salaries & Wages Student Assistants (9)	Total Salaries & Wages (10)	Other Operating Expenditures (11)	Total Library Expenditures (12)	INSTITUTION
2,047,535	2,147,596	705,437	4,900,568	752,464	8,966,596	LOUISIANA STATE
3,678,491	4,668,871	410,962	8,758,324	1,008,769	13,989,375	MCGILL
1,575,749	3,354,106	272,064	5,201,919	458,869	9,447,302	MCMASTER
2,405,986	3,203,441	467,607	6,077,034	962,404	9,933,876	MANITOBA
3,067,522	2,587,192	1,213,785	6,868,499	2,625,459	14,211,800	MARYLAND
2,249,330	2,166,810	362,149	4,778,289	832,286	9,260,118	MASSACHUSETTS
2,998,242	2,899,206	324,332	6,221,780	1,756,844	11,703,150	MIT
2,746,203	2,228,291	387,594	5,364,088	1,842,778	12,265,696	MIAMI
7,991,276	3,008,224	1,657,480	12,656,980	4,844,437	27,842,689	MICHIGAN
2,528,909	2,924,040	1,241,279	6,694,228	1,380,863	12,956,601	MICHIGAN STATE
4,623,424	5,140,708	2,286,596	12,050,728	3,915,586	24,534,429	MINNESOTA
1,939,718	1,980,332	490,847	4,410,897	1,435,348	9,800,337	MISSOURI
1,890,595	1,978,610	487,416	4,356,621	908,027	9,194,016	NEBRASKA
2,615,808	2,969,333	867,720	6,452,861	2,536,740	13,391,678	NEW MEXICO
5,384,045	4,506,575	889,429	10,780,049	3,416,995	21,042,947	NEW YORK
4,178,636	4,141,400	631,567	8,951,603	2,098,229	18,082,240	NORTH CAROLINA
1,848,984	2,209,937	591,628	4,650,549	1,374,248	10,413,684	NORTH CAROLINA STATE
4,319,509	2,860,240	1,027,544	8,207,293	2,080,613	15,857,232	NORTHWESTERN
1,794,527	2,136,541	272,066	4,203,134	981,077	9,037,724	NOTRE DAME
4,102,847	3,780,167	1,011,212	8,894,226	2,482,607	18,021,179	OHIO STATE
1,765,042	1,182,967	598,129	3,586,138	1,033,102	8,429,979	OKLAHOMA
1,659,630	951,482	481,818	3,092,930	2,322,031	7,892,909	OKLAHOMA STATE
1,832,944	1,940,332	679,663	4,452,939	1,623,717	10,233,298	OREGON
4,364,981	4,415,106	802,645	9,582,732	3,565,330	19,827,081	PENNSYLVANIA

U/A - Unavailable N/A - Not Applicable

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LIBRARY DATA TABLES

II. EXPENDITURES

INSTITUTION		Monographs (1)	Current Serials (2)	Other Library Materials (3)	Misc. Materials Expend (4)	Total Library Materials (5)	Contract Binding (6)
PENNSYLVANIA STATE	B+	2,514,053	4,284,614	223,539	0	7,022,206	457,739
PITTSBURGH	LM+	1,874,503	3,610,510	160,303	60,328	5,705,644	269,824
PRINCETON	+	3,559,500	2,925,066	793,245	202,256	7,480,067	504,324
PURDUE		914,107	3,091,795	U/A	0	4,005,902	130,762
QUEEN'S	LM+	1,033,025	2,546,588	18,418	0	3,598,031	143,709
RICE	+	1,197,606	1,868,286	54,385	311,395	3,431,672	90,406
ROCHESTER	M+	840,738	2,803,487	93,684	142,455	3,880,364	135,625
RUTGERS	BL+	2,165,690	4,730,830	208,856	168,459	7,273,835	321,472
SASKATCHEWAN	LM+	997,799	2,519,527	U/A	0	3,517,326	79,088
SOUTH CAROLINA	LM	880,590	2,174,661	552,899	0	3,608,150	138,088
SOUTHERN CALIFORNIA	LM+	1,546,638	3,697,184	38,681	0	5,282,503	184,323
SOUTHERN ILLINOIS	L	665,991	2,555,531	158,169	0	3,379,691	170,000
STANFORD	LM+	5,544,211	4,965,848	U/A	U/A	10,510,059	532,792
SUNY-ALBANY	+	682,574	1,921,207	99,897	230,449	2,934,127	67,486
SUNY-BUFFALO	GLM+	1,127,001	2,687,218	257,257	245,198	4,316,674	149,800
SUNY-STONY BROOK	M+	930,896	2,921,293	39,292	226,530	4,118,011	34,000
SYRACUSE	L+	658,393	2,149,453	363,775	726,951	3,898,572	94,855
TEMPLE	LM+	978,617	2,559,901	26,346	245,745	3,810,609	169,041
TENNESSEE	L	1,013,559	2,751,517	378,901	68,336	4,212,313	162,388
TEXAS	L+	2,027,032	3,798,583	713,585	22,637	6,561,837	184,152
TEXAS A&M	BM+	1,382,832	3,101,607	136,287	51,500	4,672,226	123,485
TORONTO	LM+	3,959,129	4,809,885	U/A	U/A	8,769,014	292,602
TULANE	LM	1,207,039	2,270,209	144,272	304,093	3,925,613	148,585
UTAH	LM+	1,548,643	2,065,703	13,369	14,406	3,642,121	259,924

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LIBRARY DATA TABLES

II. EXPENDITURES

Salaries & Wages Professional Staff	Salaries & Wages Support Staff	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expenditures	Total Library Expenditures	INSTITUTION
(7)	(8)	(9)	(10)	(11)	(12)	
U/A	U/A	U/A	10,954,632	1,905,368	20,339,945	PENNSYLVANIA STATE
3,271,578	3,178,724	792,116	7,242,418	2,454,328	15,672,214	PITTSBURGH
5,278,129	5,262,556	512,347	11,053,032	1,676,096	20,713,519	PRINCETON
2,349,450	2,288,507	547,672	5,185,629	1,305,465	10,627,758	PURDUE
1,633,232	3,497,854	207,346	5,338,432	481,630	9,561,802	QUEEN'S
1,680,722	1,606,666	211,938	3,499,326	1,262,844	8,284,248	RICE
2,317,804	1,616,291	342,373	4,276,468	985,444	9,277,901	ROCHESTER
5,651,029	6,915,306	1,299,257	13,865,592	2,142,946	23,603,645	RUTGERS
1,570,754	2,566,821	156,172	4,293,747	499,624	8,389,785	SASKATCHEWAN
2,372,548	2,026,277	440,409	4,839,234	2,002,407	10,587,879	SOUTH CAROLINA
4,546,178	2,805,069	602,686	7,955,933	2,056,211	15,478,970	SOUTHERN CALIFORNIA
1,884,966	1,692,980	819,227	4,397,173	1,009,208	8,956,072	SOUTHERN ILLINOIS
8,362,982	8,822,645	1,770,510	18,956,137	5,802,413	35,801,401	STANFORD
1,829,008	1,688,315	400,099	3,917,422	722,589	7,641,624	SUNY-ALBANY
3,512,213	2,218,908	568,727	6,299,848	1,326,244	12,092,366	SUNY-BUFFALO
2,196,604	2,523,999	508,220	5,230,823	991,976	10,374,810	SUNY-STONY BROOK
2,348,945	2,201,194	268,297	4,818,436	1,064,586	9,876,449	SYRACUSE
2,789,591	2,125,600	476,532	5,391,723	1,511,536	10,882,911	TEMPLE
2,053,830	2,067,612	473,539	4,594,981	1,426,301	10,395,983	TENNESSEE
5,112,016	6,264,602	1,000,851	12,377,469	3,305,488	22,428,946	TEXAS
2,567,071	2,235,452	822,123	5,624,646	1,977,665	12,396,022	TEXAS A&M
7,583,793	10,988,726	1,643,216	20,215,735	1,714,097	30,991,448	TORONTO
1,834,523	1,463,433	295,205	3,593,161	1,138,502	8,805,861	TULANE
2,156,752	2,427,183	832,400	5,416,335	2,140,196	11,458,576	UTAH

U/A - Unavailable N/A - Not Applicable

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LIBRARY DATA TABLES

II. EXPENDITURES

INSTITUTION		Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.	Total Library Materials	Contract Binding
		(1)	(2)	(3)	(4)	(5)	(6)
VANDERBILT	LM	1,295,807	2,973,878	249,304	0	4,518,989	163,522
VIRGINIA	LM+	2,028,050	3,252,935	662,003	0	5,942,988	250,613
VPI & SU	+	1,177,481	2,964,019	330,000	173,031	4,644,531	214,448
WASHINGTON	LM+	2,344,986	5,596,058	7,033	U/A	7,948,077	265,002
WASHINGTON STATE	+	623,849	2,345,625	33,680	26,782	3,029,936	100,758
WASHINGTON U.-ST. LOUIS	LM+	1,306,992	3,469,882	110,523	776,047	5,665,444	127,964
WATERLOO	+	1,133,284	2,086,930	U/A	U/A	3,220,214	80,181
WAYNE STATE	LM+	1,264,152	2,763,701	U/A	142,323	4,170,176	119,892
WESTERN ONTARIO	LM+	1,502,127	2,917,381	U/A	0	4,419,508	167,252
WISCONSIN	LM	2,444,150	4,200,317	661,327	0	7,305,794	250,722
YALE	LM+	3,176,000	4,492,000	1,041,000	2,243,000	10,952,000	424,000
YORK	BL+	1,265,010	2,080,557	60,474	108,343	3,514,384	177,702
BOSTON PUBLIC LIBRARY	+	4,573,939	627,831	320,476	0	5,722,246	63,864
CANADA INST. FOR SCITECH.	B+	U/A	U/A	U/A	U/A	6,096,252	17,617
CENTER FOR RESEARCH LIBS.	+	43,508	186,533	491,756	21,594	743,391	0
LIBRARY OF CONGRESS	L+	2,962,829	3,784,366	3,094,635	684,991	10,526,821	1,335,500
LINDA HALL LIBRARY	+	266,000	1,515,000	U/A	0	1,781,000	83,000
NATL. AGRICULTURAL LIB	+	384,905	1,618,278	U/A	U/A	2,003,183	86,744
NATL. LIBRARY OF CANADA	+	96,780	1,067,477	1,088,894	517,135	2,770,286	50,510
NATL. LIBRARY OF MEDICINE	+	934,000	3,008,000	187,000	0	4,129,000	183,454
NEW YORK PUBLIC LIBRARY	+	3,891,844	3,552,881	1,138,591	0	8,583,316	556,512
NEW YORK STATE LIBRARY	LM+	433,127	1,670,169	U/A	0	2,103,296	25,278
SMITHSONIAN INSTITUTION	B+	445,699	791,896	17,680	233,695	1,488,970	72,392

+ - See Footonotes
L - Includes Law Library
M - Includes Medical Library

U/A - Unavailable
N/A - Not Applicable
B - Includes Branch Campuses

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LIBRARY DATA TABLES

II. EXPENDITURES

Salaries & Wages Professional Staff (7)	Salaries & Wages Support Staff (8)	Salaries & Wages Student Assistants (9)	Total Salaries & Wages (10)	Other Operating Expenditures (11)	Total Library Expenditures (12)	INSTITUTION
2,845,739	2,498,218	371,056	5,715,013	2,002,582	12,400,106	VANDERBILT
3,475,063	3,599,617	784,803	7,859,483	2,338,821	16,391,905	VIRGINIA
1,455,432	1,849,164	463,386	3,767,982	723,351	9,350,312	VPI & SU
5,309,323	5,959,865	1,507,391	12,776,579	3,764,387	24,754,045	WASHINGTON
1,589,277	**2,685,929**	**465,938**	**4,741,144**	**1,335,930**	**9,207,768**	**WASHINGTON STATE**
3,015,869	**2,390,522**	**465,800**	**5,872,191**	**1,859,322**	**13,524,921**	**WASHINGTON U.-ST. LOUIS**
1,996,107	**3,062,488**	**325,568**	**5,384,163**	**553,790**	**9,238,348**	**WATERLOO**
3,131,422	**2,358,847**	**734,386**	**6,224,655**	**2,017,613**	**12,532,336**	**WAYNE STATE**
U/A	U/A	U/A	7,169,900	811,668	12,568,328	WESTERN ONTARIO
5,684,420	5,159,913	1,651,472	12,495,805	4,012,779	24,065,100	WISCONSIN
8,021,000	6,818,900	877,300	15,717,200	6,082,800	33,176,000	YALE
2,759,066	3,882,118	657,906	7,299,090	1,184,066	12,175,242	YORK
U/A	**U/A**	**U/A**	**16,791,091**	**5,259,929**	**27,837,130**	**BOSTON PUBLIC LIBRARY**
U/A	**U/A**	**U/A**	**7,479,180**	**12,132,447**	**25,752,496**	**CANADA INST. FOR SCITECH.**
U/A	**U/A**	**U/A**	**1,463,811**	**676,316**	**2,883,518**	**CENTER FOR RESEARCH LIBS.**
U/A	**U/A**	**N/A**	**188,719,000**	**145,391,679**	**345,973,000**	**LIBRARY OF CONGRESS**
U/A	U/A	U/A	1,336,000	352,000	3,552,000	LINDA HALL LIBRARY
5,131,140	3,600,800	270,060	9,002,000	8,713,000	19,804,927	NATL. AGRICULTURAL LIB.
U/A	U/A	N/A	16,898,301	11,419,138	31,138,235	NATL. LIBRARY OF CANADA
8,520,089	2,635,197	226,820	11,382,106	11,958,440	27,653,000	NATL. LIBRARY OF MEDICINE
U/A	**U/A**	**1,233,076**	**20,466,014**	**7,231,483**	**36,837,325**	**NEW YORK PUBLIC LIBRARY**
U/A	**U/A**	**U/A**	**5,886,381**	**1,056,167**	**9,071,122**	**NEW YORK STATE LIBRARY**
2,557,456	**1,608,156**	**60,000**	**4,225,612**	**838,579**	**6,625,553**	**SMITHSONIAN INSTITUTION**

U/A - Unavailable N/A - Not Applicable

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LIBRARY DATA TABLES: EXPENDITURES

TOTALS

Monographs	Current Serials	Other Library Materials	Miscellaneous Materials Expenditures	Total Library Materials	Contract Binding
		UNIVERSITY MEDIAN			
$1,284,116	$2,918,569	$179,820	$65,362	$4,297,423	$174,397
		UNIVERSITY HIGH			
$5,665,566	$6,157,125	$1,711,428	$2,243,000	$13,554,427	$977,679
		UNIVERSITY LOW			
$396,839	$1,526,364	$7,033	$0	$2,250,112	$34,000
		TOTALS - UNIVERSITY LIBRARIES			
$174,120,298	$328,468,254	$26,146,120	$14,000,358	$542,735,030	$23,118,603
		TOTALS - NONUNIVERSITY LIBRARIES			
$14,032,631	$18,022,431	$6,339,032	$1,457,415	$45,947,761	$2,474,871
		GRAND TOTALS - ALL UNIVERSITY LIBRARIES			
$188,152,929	$346,490,685	$32,485,152	$15,457,773	$588,682,791	$25,593,474

LIBRARY DATA TABLES: EXPENDITURES

TOTALS

Salaries and Wages Professional Staff	Salaries and Wages Support Staff	Salaries and Wages Student Assistants	Total Salaries and Wages	Other Operating Expenditures	Total Library Expenditures
		UNIVERSITY MEDIAN			
$2,724,878	$2,805,069	$600,408	$6,034,232	$1,570,342	$12,288,566
		UNIVERSITY HIGH			
$16,897,797	$12,858,591	$5,137,005	$30,884,679	$12,561,231	$57,978,016
		UNIVERSITY LOW			
$1,220,837	$793,883	$74,740	$2,373,548	$450,470	$5,327,085
		TOTALS - UNIVERSITY LIBRARIES			
$345,455,079	$348,619,410	$79,329,490	$796,735,547	$213,037,438	$1,575,626,618
		TOTALS - NONUNIVERSITY LIBRARIES			
$16,208,685	$7,844,153	$1,789,956	$283,649,496	$205,029,178	$537,101,306
		GRAND TOTALS - ALL ARL LIBRARIES			
$361,663,764	$356,463,563	$81,119,446	$1,080,385,043	$418,066,616	$2,112,727,924

LIBRARY DATA TABLES

III. INTERLIBRARY LOANS and PERSONNEL

INSTITUTION		Interlibrary Loans		Personnel (FTE)			
		Total Items Loaned	Total Items Borrowed	Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
		(1)	(2)	(3)	(4)	(5)	(6)
ALABAMA	LM	11,489	8,491	63	73	52	188
ALBERTA	BLM	73,276	22,487	72	241	37	350
ARIZONA	LM	39,075	12,489	93	168	98	359
ARIZONA STATE	BL	22,059	14,779	110	199	52	361
AUBURN	+	18,570	3,698	51	97	48	196
BOSTON	LM+	13,085	12,820	60	132	58	250
BRIGHAM YOUNG	+	20,611	20,698	94	46	151	291
BRITISH COLUMBIA	LM+	32,915	14,470	103	255	52	410
BROWN	+	10,897	7,154	80	103	72	255
CALIFORNIA, BERKELEY	L	58,754	17,273	152	275	331	758
CALIFORNIA, DAVIS	LM+	31,672	11,159	70	193	61	324
CALIFORNIA, IRVINE	M	22,940	18,723	54	112	53	219
CALIFORNIA, LOS ANGELES	LM+	77,388	13,600	123	259	145	527
CALIFORNIA, RIVERSIDE		11,983	13,378	40	88	43	171
CALIFORNIA, SAN DIEGO	M+	23,940	22,084	108	183	76	367
CALIFORNIA, SANTA BARBARA		10,383	17,275	56	141	43	240
CASE WESTERN RESERVE	LM+	44,035	11,788	63	87	37	187
CHICAGO	LM+	49,238	18,995	78	224	82	384
CINCINNATI	LM+	33,245	16,777	69	122	81	272
COLORADO	L+	32,235	12,052	59	118	64	241
COLORADO STATE		33,084	19,163	40	75	38	153
COLUMBIA	LM	34,380	13,520	176	307	121	604
CONNECTICUT	BLM	36,263	16,021	66	94	72	232
CORNELL	BL+	20,876	15,290	131	299	155	585

+ - See Footnotes
L - Includes Law Library
M- Includes Medical Library

U/A - Unavailable
N/A - Not Applicable

BEST COPY AVAILABLE

LIBRARY DATA TABLES

III. INTERLIBRARY LOANS and PERSONNEL

INSTITUTION		Interlibrary Loans		Personnel (FTE)			
		Total Items Loaned	Total Items Borrowed	Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
		(1)	(2)	(3)	(4)	(5)	(6)
DARTMOUTH	M+	14,139	11,370	52	104	28	184
DELAWARE	+	11,624	5,891	51	113	54	218
DUKE	LM	34,149	11,969	106	172	80	358
EMORY	BLM+	27,450	12,483	71	140	46	257
FLORIDA	LM+	46,827	12,733	105	194	103	402
FLORIDA STATE	BL+	39,365	13,642	56	125	59	240
GEORGETOWN	LM+	12,861	6,590	80	132	61	273
GEORGIA	L	36,861	8,383	82	173	80	335
GEORGIA TECH		11,195	3,537	44	52	15	111
GUELPH	+	2,364	4,006	27	119	9	155
HARVARD	LM+	45,245	14,683	390	587	152	1,129
HAWAII		9,146	3,705	63	102	81	246
HOUSTON	L	17,943	13,845	44	95	68	207
HOWARD	LM	2,215	1,109	74	119	18	211
ILLINOIS, CHICAGO	M	108,093	71,840	71	163	31	265
ILLINOIS, URBANA	L	57,606	59,257	147	238	108	493
INDIANA	L+	66,593	28,096	140	186	148	474
IOWA	LM	45,351	11,831	95	110	78	283
IOWA STATE	+	23,111	7,529	44	108	56	208
JOHNS HOPKINS	M+	28,099	18,864	86	186	47	319
KANSAS	BLM	39,535	18,936	103	123	95	321
KENT STATE	B+	21,826	19,952	53	107	68	228
KENTUCKY	LM	31,404	21,615	69	120	113	302
LAVAL	LM+	22,728	15,878	68	189	8	265

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U/A - Unavailable
N/A - Not Applicable

BEST COPY AVAILABLE

LIBRARY DATA TABLES

III. INTERLIBRARY LOANS and PERSONNEL

INSTITUTION		Interlibrary Loans		Personnel (FTE)			
		Total Items Loaned	Total Items Borrowed	Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
		(1)	(2)	(3)	(4)	(5)	(6)
LOUISIANA STATE	L+	12,317	8,406	52	95	71	218
MCGILL	LM+	22,737	6,834	80	199	42	321
MCMASTER	M	19,042	9,027	37	141	14	192
MANITOBA	LM+	22,070	10,350	55	145	22	222
MARYLAND	+	**17,854**	**9,100**	**86**	**130**	**120**	**336**
MASSACHUSETTS		**16,813**	**7,567**	**50**	**104**	**37**	**191**
MIT		**22,740**	**4,822**	**87**	**123**	**26**	**236**
MIAMI	LM+	**31,718**	**14,170**	**78**	**132**	**47**	**257**
MICHIGAN	LM+	36,688	18,513	129	279	163	571
MICHIGAN STATE	+	21,000	14,000	61	111	117	289
MINNESOTA	LM	231,760	15,003	108	193	157	458
MISSOURI	LM	36,176	14,737	57	131	60	248
NEBRASKA	L+	**12,579**	**13,438**	**54**	**116**	**49**	**219**
NEW MEXICO	LM+	**20,390**	**18,842**	**81**	**148**	**82**	**311**
NEW YORK	LM+	**19,054**	**21,668**	**135**	**195**	**104**	**434**
NORTH CAROLINA	LM+	**37,517**	**8,611**	**122**	**209**	**84**	**415**
NORTH CAROLINA STATE		33,959	7,012	52	118	59	229
NORTHWESTERN	BLM+	29,477	17,534	110	139	94	343
NOTRE DAME	L	17,315	10,688	43	145	26	214
OHIO STATE	LM+	27,131	29,884	113	186	132	431
OKLAHOMA	LM	**27,211**	**23,588**	**50**	**79**	**64**	**193**
OKLAHOMA STATE	M+	**19,172**	**11,549**	**50**	**66**	**67**	**183**
OREGON	L	**18,894**	**8,888**	**51**	**92**	**74**	**217**
PENNSYLVANIA	LM	**22,506**	**25,689**	**110**	**178**	**90**	**378**

+ - See Footnotes
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U/A - Unavailable
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BEST COPY AVAILABLE

LIBRARY DATA TABLES

III. INTERLIBRARY LOANS and PERSONNEL

INSTITUTION		Interlibrary Loans		Personnel (FTE)			
		Total Items Loaned	Total Items Borrowed	Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
		(1)	(2)	(3)	(4)	(5)	(6)
PENNSYLVANIA STATE	B+	33,169	17,960	125	305	77	507
PITTSBURGH	LM+	31,247	15,170	100	175	94	369
PRINCETON	+	19,058	9,018	115	222	52	389
PURDUE		16,847	10,798	59	144	58	261
QUEEN'S	**LM+**	**8,095**	**8,168**	**46**	**137**	**22**	**205**
RICE	**+**	**5,111**	**3,594**	**50**	**72**	**20**	**142**
ROCHESTER	**M+**	**24,941**	**12,072**	**64**	**98**	**52**	**214**
RUTGERS	**BL+**	**22,565**	**16,915**	**111**	**252**	**106**	**469**
SASKATCHEWAN	LM+	9,884	13,070	39	128	14	181
SOUTH CAROLINA	LM	19,682	15,109	69	116	49	234
SOUTHERN CALIFORNIA	LM+	20,548	8,187	102	126	83	311
SOUTHERN ILLINOIS	L	36,629	10,246	43	87	84	214
STANFORD	**LM+**	**17,677**	**10,295**	**163**	**298**	**145**	**606**
SUNY-ALBANY	**+**	**22,994**	**10,514**	**49**	**86**	**40**	**175**
SUNY-BUFFALO	**LM+**	**37,959**	**10,853**	**92**	**105**	**66**	**263**
SUNY-STONY BROOK	**M**	**35,005**	**9,196**	**49**	**104**	**53**	**206**
SYRACUSE	L+	9,457	7,692	75	137	44	256
TEMPLE	LM	13,403	8,625	72	112	55	239
TENNESSEE	L	19,015	15,747	62	135	58	255
TEXAS	L+	33,958	17,326	143	397	87	627
TEXAS A&M	**BM**	**35,405**	**20,450**	**75**	**159**	**121**	**355**
TORONTO	**LM+**	**21,996**	**7,779**	**166**	**399**	**81**	**646**
TULANE	**LM**	**14,350**	**10,842**	**54**	**100**	**41**	**195**
UTAH	**LM**	**26,533**	**12,212**	**66**	**149**	**89**	**304**

+ - See Footnotes
L - Includes Law Library
M- Includes Medical Library

U/A - Unavailable
N/A - Not Applicable

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LIBRARY DATA TABLES

III. INTERLIBRARY LOANS and PERSONNEL

INSTITUTION		Interlibrary Loans		Personnel (FTE)			
		Total Items Loaned	Total Items Borrowed	Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
		(1)	(2)	(3)	(4)	(5)	(6)
VANDERBILT	LM+	16,184	11,024	83	132	64	279
VIRGINIA	LM	43,093	19,277	93	186	73	352
VPI & SU		21,386	13,211	43	96	55	194
WASHINGTON	LM+	89,098	8,653	136	239	137	512
WASHINGTON STATE	+	**29,765**	**4,552**	**45**	**103**	**40**	**188**
WASHINGTON U.-ST. LOUIS	LM	**30,571**	**18,949**	**82**	**153**	**58**	**293**
WATERLOO	+	**5,995**	**4,731**	**44**	**127**	**4**	**175**
WAYNE STATE	LM+	**34,435**	**7,513**	**80**	**102**	**70**	**252**
WESTERN ONTARIO	LM+	10,104	3,756	46	181	35	262
WISCONSIN	LM	96,008	19,962	147	210	162	519
YALE	LM+	14,089	11,565	189	309	92	590
YORK	BL+	11,686	3,615	56	148	54	258
BOSTON PUBLIC LIBRARY	+	**30,031**	**1,083**	**186**	**303**	**25**	**514**
CANADA INST. FOR SCITECH.	B+	**375,000**	**0**	**72**	**97**	**0**	**169**
CENTER FOR RESEARCH LIBS.	+	**35,472**	**0**	**29**	**31**	**13**	**73**
LIBRARY OF CONGRESS	L+	**51,495**	**672**	**1,697**	**2,954**	**0**	**4,651**
LINDA HALL LIBRARY	+	32,159	86	22	41	0	63
NATL. AGRICULTURAL LIB.	+	120,595	15,268	126	89	8	223
NATL. LIBRARY OF CANADA	+	96,824	1,753	220	280	0	500
NATL. LIBRARY OF MEDICINE	+	220,473	541	173	104	14	291
NEW YORK PUBLIC LIBRARY	+	**3,680**	**3,493**	**271**	**410**	**133**	**814**
NEW YORK STATE LIBRARY	LM+	**57,337**	**3,240**	**79**	**107**	**N/A**	**186**
SMITHSONIAN INSTITUTION	B+	**11,083**	**14,519**	**60**	**70**	**3**	**133**

+ - See Footnotes
L - Includes Law Library
M- Includes Medical Library

U/A - Unavailable
N/A - Not Applicable

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LIBRARY DATA TABLES: INTERLIBRARY LOANS and PERSONNEL

TOTALS

INTERLIBRARY LOANS		PERSONEL			
Total Loaned	Total Borrowed	Professional Staff FTE	Support Staff FTE	Student Staff FTE	Total Staff
		UNIVERSITY MEDIAN			
22,840	12,486	72	134	64	263
		UNIVERSITY HIGH			
231,760	71,840	390	587	331	1,129
		UNIVERSITY LOW			
2,215	1,109	27	46	4	111
		TOTALS - UNIVERSITY LIBRARIES			
3,231,985	1,490,494	9,016	17,131	7,864	34,011
		TOTALS - NONUNIVERSITY LIBRARIES			
1,034,149	40,655	2,935	4,486	196	7,617
		GRAND TOTALS - ALL ARL LIBRARIES			
4,266,134	1,531,149	11,951	21,617	8,060	41,628

ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intednded to summarize the basic data in the ARL Library Data Tables. The high, median, and low figrues indicate the range as well as the midpoint for ARL's 108 university library members.

	Category	High	Median	Low
1.	Professional Staff as percent of Total Staff	40	26	17
2.	Support Staff as percent of Total Staff	77	50	16
3.	Student Assistant Staff as percent of Total Staff	52	24	2
4.	Ratio of Professional Staff to Support Staff (excluding student assistants)	2.0:1	0.5:1	0.2:1
5.	Ratio of Items Loaned to Items Borrowed	15.4:1	2.0:1	0.6:1
6.	Serials Expenditures as percent of Materials Expenditures	85	63	39
7.	Materials Expenditures as percent of Total Operating Expenditures	50	36	23
8.	Contract Binding as percent of Total Operating Expenditures	2.8	1.4	0.3
9.	Salary and Wage Expenditures as percent of Total Operating Expenditures	65	49	39
10.	Other Operating Expenditures as percent of Total Operating Expenditures	29	13	5
11.	Unit cost of monographs (per volume)	103.03	41.88	19.21
12.	Unit cost of serials (per title)	305.35	186.85	96.01

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or very low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ARL libraries.

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D's Awarded	Ph.D Fields	Faculty	ENROLLMENTS - FALL 1992 Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
ALABAMA	90	47	788	16,112	3,122	2,277	1,611
ALBERTA	200	55	1,103	25,378	4,297	3,165	1,103
ARIZONA +	370	96	1,550	27,205	8,074	5,541	3,180
ARIZONA STATE	227	52	1,774	28,823	14,812	5,073	6,656
AUBURN	101	36	1,098	18,441	3,110	1,820	1,413
BOSTON	170	53	1,012	22,229	6,859	7,227	3,532
BRIGHAM YOUNG	56	33	1,330	29,043	3,249	1,792	1,049
BRITISH COLUMBIA	230	80	1,862	18,799	6,233	4,897	558
BROWN	170	37	514	7,132	461	1,575	112
CALIFORNIA, BERKELEY	810	85	1,520	30,357	265	8,516	265
CALIFORNIA, DAVIS	307	52	2,828	20,859	2,030	4,843	430
CALIFORNIA, IRVINE	155	24	1,497	16,099	1,088	3,089	210
CALIFORNIA, LOS ANGELES	630	75	1,982	33,079	2,328	10,829	861
CALIFORNIA, RIVERSIDE	124	31	584	6,921	296	1,484	104
CALIFORNIA, SAN DIEGO +	281	47	1,054	17,385	853	3,273	108
CALIFORNIA, SANTA BARBARA	205	53	945	17,848	807	2,247	131
CASE WESTERN RESERVE	155	44	1,695	6,134	2,935	3,261	2,348
CHICAGO	343	68	1,228	9,395	1,891	5,664	1,857
CINCINNATI +	187	56	1,113	19,056	9,723	4,139	3,021
COLORADO	300	41	1,024	21,741	6,793	2,498	4,004
COLORADO STATE	197	39	1,561	21,210	3,021	2,541	1,097
COLUMBIA	385	65	3,161	14,727	4,563	9,729	3,427
CONNECTICUT	U/A	66	1,045	16,711	7,420	3,554	4,170
CORNELL +	490	79	1,543	18,450	71	5,609	51
DARTMOUTH	54	12	854	4,904	113	1,099	79
DELAWARE	144	38	960	13,893	1,376	1,587	1,257
DUKE	214	40	1,842	10,445	481	4,433	422
EMORY	110	22	624	8,651	1,307	3,255	1,140
FLORIDA +	327	96	2,271	30,563	5,888	6,703	2,446
FLORIDA STATE +	262	66	1,047	22,494	5,930	3,826	2,686
GEORGETOWN	88	18	794	9,884	2,200	4,048	1,807
GEORGIA	266	64	1,955	24,218	4,275	4,747	1,539
GEORGIA TECH	196	61	622	11,397	1,494	2,728	844
GUELPH	82	U/A	686	11,056	1,565	1,444	234
HARVARD +	414	67	1,622	17,523	1,181	10,569	846
HAWAII	134	49	1,248	13,835	5,975	3,061	3,471
HOUSTON +	106	43	1,438	18,973	14,052	3,503	4,306
HOWARD +	U/A	U/A	U/A	U/A	U/A	U/A	U/A
ILLINOIS, CHICAGO	243	45	1,656	18,250	7,085	5,047	4,010
ILLINOIS, URBANA	705	87	1,921	32,522	3,293	7,575	2,934
INDIANA +	295	73	1,280	30,094	5,982	4,930	2,995

* These figures were reported on ARL Questionnaires and have not been verified with the U.S. NCES.
** Includes both undergraduate and graduate students.
U/A - Unavailable
+ - See Footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph D's Awarded	Ph D. Fields	Faculty	ENROLLMENTS - FALL 1992 Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
IOWA	325	57	1,030	21,272	6,873	5,572	3,769
IOWA STATE	322	89	1,197	21,633	4,067	2,830	2,286
JOHNS HOPKINS	268	60	773	6,866	7,645	3,433	5,786
KANSAS +	192	67	1,549	22,885	6,276	4,795	4,493
KENT STATE	139	20	931	21,752	11,308	1,600	3,767
KENTUCKY	192	57	1,200	18,153	5,426	3,408	2,704
LAVAL	213	49	1,684	25,064	11,550	3,916	2,859
LOUISIANA STATE	184	54	1,281	21,504	5,859	4,189	1,988
MCGILL	253	58	1,586	19,612	3,445	4,540	1,911
MCMASTER	118	35	1,043	13,423	4,032	1,551	699
MANITOBA	90	43	1,322	15,440	9,723	2,595	1,050
MARYLAND +	490	68	1,271	19,720	3,910	4,319	4,909
MASSACHUSETTS +	258	49	1,152	18,768	5,418	2,228	3,588
MIT	516	84	980	9,444	354	4,965	313
MIAMI	93	40	1,792	12,179	1,976	4,152	1,121
MICHIGAN +	633	115	2,723	33,042	3,584	11,097	2,331
MICHIGAN STATE +	400	113	2,093	31,996	8,051	5,045	3,754
MINNESOTA	627	95	1,560	22,352	32,320	5,763	7,308
MISSOURI	236	64	883	19,143	4,287	3,410	2,634
NEBRASKA	205	30	1,126	19,278	5,295	2,564	2,263
NEW MEXICO	165	37	1,394	15,215	9,920	2,167	2,400
NEW YORK	45	135	1,885	21,403	12,803	5,805	9,478
NORTH CAROLINA	366	62	2,249	19,167	4,777	4,998	3,684
NORTH CAROLINA STATE	283	50	1,572	18,508	9,258	1,906	2,837
NORTHWESTERN	344	69	1,820	13,839	3,446	6,213	1,607
NOTRE DAME +	111	27	644	9,738	388	2,159	357
OHIO STATE	688	99	2,438	41,090	11,093	8,183	5,042
OKLAHOMA	126	61	1,487	15,828	5,343	2,738	3,293
OKLAHOMA STATE	161	32	1,322	19,211	7,229	2,140	2,847
OREGON +	257	47	688	13,863	2,856	2,722	951
PENNSYLVANIA	477	85	1,902	18,156	4,262	8,858	2,227
PENNSYLVANIA STATE	592	95	2,870	53,653	16,439	4,407	5,907
PITTSBURGH	333	75	1,344	19,289	8,563	5,934	4,006
PRINCETON	250	44	719	6,438	0	1,913	0
PURDUE	504	54	1,396	31,088	4,745	4,284	1,951
QUEEN'S	140	30	712	13,203	5,286	2,083	659
RICE	109	28	462	4,063	188	1,333	113
ROCHESTER +	191	56	521	7,757	1,929	2,379	1,485
RUTGERS	336	60	1,955	33,135	15,437	4,709	8,358
SASKATCHEWAN	59	57	U/A	13,649	3,172	1,341	480
SOUTH CAROLINA +	240	50	1,104	18,050	8,421	4,503	5,826

* These figures were reported on ARL Questionnaires and have not been verified with the U.S. NCES.
** Includes both undergraduate and graduate students.
U/A - Unavailable
+ - See Footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D's Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1992 Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
SOUTHERN CALIFORNIA	473	77	1,643	20,425	7,309	7,309	5,749
SOUTHERN ILLINOIS +	164	31	991	20,161	4,605	1,601	2,158
STANFORD	577	83	1,398	12,597	1,405	6,024	1,405
SUNY-ALBANY	108	28	646	12,865	6,140	2,342	2,848
SUNY-BUFFALO +	307	70	1,018	18,158	7,204	4,841	3,736
SUNY-STONY BROOK	262	31	1,284	13,040	4,192	3,273	2,959
SYRACUSE +	190	75	896	15,082	5,414	2,788	3,640
TEMPLE +	185	61	1,698	19,581	10,647	4,569	5,721
TENNESSEE	250	50	1,072	20,208	6,371	3,859	3,378
TEXAS	717	79	2,063	42,524	6,729	11,753	1,589
TEXAS A&M	U/A	88	1,946	37,171	4,539	6,242	1,989
TORONTO	444	71	2,757	38,737	16,991	6,958	3,724
TULANE +	87	43	934	8,816	2,067	3,663	458
UTAH	217	57	1,343	17,789	9,010	3,592	1,171
VANDERBILT +	144	39	1,591	9,056	668	3,553	592
VIRGINIA	281	45	955	16,927	4,608	5,669	3,252
VPI & SU	369	90	1,452	22,236	3,767	3,970	3,173
WASHINGTON	430	71	2,836	21,174	4,768	7,385	1,771
WASHINGTON STATE	U/A	40	962	13,680	1,210	1,964	1,028
WASHINGTON U -ST. LOUIS	147	46	605	8,163	3,409	3,349	2,149
WATERLOO	131	27	836	16,138	8,558	1,777	402
WAYNE STATE +	300	67	919	15,634	18,646	5,856	8,191
WESTERN ONTARIO	113	34	1,411	16,414	3,674	2,761	189
WISCONSIN	680	120	2,221	35,613	7,417	9,489	2,430
YALE	352	46	1,689	10,617	333	5,420	243
YORK	95	55	1,240	27,355	15,780	2,120	1,378

* These figures were reported on ARL Questionnaires and have not been verified with the U.S. NCES.
** Includes both undergraduate and graduate students.
U/A - Unavailable
+ - See Footnotes

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the eighteen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions that are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the data categories listed below. The number of libraries indicates the numnber of ARL university libraries supplying data in each category.

TABLE	DATA CATEGORY	NO. OF LIBS.
1	VOLUMES IN LIBRARY	(108)
2	VOLUMES ADDED (GROSS)	(108)
3	CURRENT SERIALS (TITLES)	(108)
4	MICROFORM HOLDINGS	(108)
5	GOVERNMENT DOCUMENTS	(97)
6	MATERIALS EXPENDITURES	(108)
7	SALARIES & WAGES EXPENDITURES	(108)
8	OTHER OPERATING EXPENDITURES	(108)
9	TOTAL OPERATING EXPENDITURES	(108)

TABLE	DATA CATEGORY	NO. OF LIBS.
10	MONOGRAPHS PURCHASED (VOLS.)	(91)
11	EXPENDITURES FOR MONOGRAPHS	(108)
12	SERIALS PURCHASED (TITLES)	(77)
13	EXPENDITURES FOR SERIALS	(108)
14	TOTAL ITEMS LOANED	(108)
15	TOTAL ITEMS BORROWED	(108)
16	PROFESSIONAL STAFF (FTE)	(108)
17	SUPPORT STAFF (FTE)	(108)
18	TOTAL STAFF (FTE)	(108)

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ALABAMA	83	89	91	67	11	98	104	76	101	65	92	65	83	96	83	65	104	96
ALBERTA	27	10	51	46	42	45	21	70	28	12	40	34	52	6	7	53	14	33
ARIZONA	22	23	33	22	76	26	40	26	29	15	25	U/A	25	18	54	34	38	29
ARIZONA STATE	39	28	29	3	33	25	35	41	30	14	27	14	30	61	38	21	21	28
AUBURN	67	38	55	68	44	87	106	93	103	49	88	66	78	77	104	85	92	90
BOSTON	88	76	34	54	U/A	88	71	46	69	84	100	23	62	89	52	70	55	64
BRIGHAM YOUNG	58	50	77	92	51	67	64	50	63	28	37	49	99	67	11	33	108	46
BRITISH COLUMBIA	28	19	48	28	24	30	15	29	20	10	26	21	22	36	41	28	12	21
BROWN	48	71	103	103	76	81	70	35	66	61	44	70	95	98	93	44	86	61
CALIFORNIA, BERKELEY	4	11	4	11	66	5	4	7	4	U/A	7	U/A	4	8	28	6	10	2
CALIFORNIA, DAVIS	46	42	12	56	68	35	28	77	35	6	36	U/A	37	39	65	57	25	37
CALIFORNIA, IRVINE	105	96	79	91	37	73	45	59	56	54	62	U/A	76	54	22	78	76	77
CALIFORNIA, LOS ANGELES	8	6	2	7	70	8	9	2	6	1	5	U/A	16	5	46	16	11	10

U/A - Unavailable

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
CALIFORNIA, RIVERSIDE	102	101	102	99	52	104	96	103	106	26	83	76	107	93	49	104	98	104
CALIFORNIA, SAN DIEGO	61	45	43	81	60	48	25	47	33	9	60	20	36	51	8	24	32	27
CALIFORNIA, SANTA BARBARA	69	81	44	36	29	89	56	48	65	56	59	55	84	99	27	74	48	68
CASE WESTERN RESERVE	93	106	98	87	72	94	94	91	97	86	105	56	63	14	61	65	99	98
CHICAGO	12	15	16	94	U/A	29	27	23	25	7	18	U/A	26	10	17	48	17	24
CINCINNATI	84	88	63	71	47	49	58	74	61	42	67	U/A	39	33	30	58	67	51
COLORADO	53	43	36	17	6	19	60	95	44	21	43	26	29	37	58	71	71	67
COLORADO STATE	107	61	61	88	53	99	103	89	104	74	84	72	101	35	16	104	103	106
COLUMBIA	9	14	6	20	62	9	6	8	9	U/A	9	2	7	29	47	3	5	6
CONNECTICUT	54	30	85	47	U/A	40	55	37	46	46	32	37	72	24	31	62	96	73
CORNELL	11	8	7	2	U/A	6	8	5	7	U/A	8	U/A	12	66	34	13	7	8
DARTMOUTH	80	37	62	80	76	77	83	56	76	43	58	31	81	86	64	82	83	99
DELAWARE	70	85	60	77	43	62	86	88	80	41	31	16	91	95	97	85	75	79
DUKE	19	26	27	98	7	22	32	21	26	32	21	U/A	17	30	59	26	37	30
EMORY	63	53	47	68	69	34	57	18	37	U/A	30	28	42	46	55	55	50	58
FLORIDA	35	84	45	9	9	43	30	57	36	64	95	18	33	11	53	27	24	22
FLORIDA STATE	75	80	73	30	16	60	100	100	96	U/A	74	U/A	56	17	45	74	64	68
GEORGETOWN	82	65	41	78	45	42	38	45	39	40	33	13	79	90	96	44	55	50
GEORGIA	33	40	13	13	22	33	49	62	42	24	39	U/A	31	21	85	41	36	36
GEORGIA TECH	96	108	107	45	76	108	108	102	108	91	107	77	105	97	107	97	107	108
GUELPH	74	93	104	101	U/A	105	95	108	107	75	80	74	108	107	101	108	69	105
HARVARD	1	2	1	1	U/A	1	1	1	1	U/A	1	U/A	1	13	40	1	1	1
HAWAII	44	31	23	8	76	64	44	86	58	U/A	47	12	89	103	103	65	88	66
HOUSTON	97	87	97	44	31	76	98	73	93	62	82	48	82	78	44	97	94	87

U/A - Figure unavailable

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
HOWARD	87	105	38	43	76	84	76	99	81	89	106	10	43	108	108	52	69	85
ILLINOIS, CHICAGO	95	91	59	86	32	54	51	55	54	67	75	41	45	2	1	55	39	52
ILLINOIS, URBANA	3	4	3	32	U/A	18	20	25	21	5	15	U/A	15	9	2	7	16	14
INDIANA	13	3	20	50	76	15	19	16	16	U/A	11	8	27	7	4	10	28	15
IOWA	29	49	19	12	12	36	42	54	40	27	35	17	58	12	60	32	79	48
IOWA STATE	79	97	56	75	76	55	77	20	60	73	73	42	47	52	91	97	80	86
JOHNS HOPKINS	36	54	57	97	76	21	36	10	24	31	13	29	32	45	20	38	28	40
KANSAS	31	41	24	73	30	39	48	66	47	17	22	19	54	16	19	28	65	38
KENT STATE	68	100	108	108	75	106	75	83	94	30	96	75	106	63	14	81	81	75
KENTUCKY	52	68	37	14	10	63	63	71	67	87	98	45	44	40	10	58	68	44
LAVAL	81	48	82	107	57	66	31	101	49	68	72	58	59	57	32	61	27	52
LOUISIANA STATE	45	77	90	31	67	100	78	96	91	50	89	67	88	92	84	82	94	79
MCGILL	42	51	72	104	21	65	26	81	41	47	51	51	77	56	95	44	21	38
MCMASTER	103	102	95	102	76	82	73	107	83	55	71	61	74	74	77	107	48	94
MANITOBA	104	103	106	105	36	103	54	87	77	82	97	64	100	60	72	77	45	76
MARYLAND	62	64	65	18	25	51	43	17	38	52	49	25	65	79	76	38	60	35
MASSACHUSETTS	50	58	94	93	76	91	81	92	86	38	70	63	86	83	90	88	83	95
MIT	57	69	58	96	76	90	53	49	62	77	91	71	85	55	98	37	65	71
MIAMI	89	36	68	54	15	41	68	44	55	29	55	40	38	38	42	48	55	58
MICHIGAN	6	18	5	16	76	4	11	6	8	U/A	4	3	3	22	23	14	9	9
MICHIGAN STATE	38	33	35	19	18	46	46	63	48	34	41	50	50	65	43	69	78	47
MINNESOTA	17	17	10	24	1	10	14	11	11	U/A	20	1	5	1	37	24	25	17
MISSOURI	47	73	49	10	5	75	88	60	79	45	76	54	69	25	39	73	59	65
NEBRASKA	65	70	54	38	20	78	90	90	89	71	85	24	66	91	48	78	73	77

U/A - Figure unavailable

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NEW MEXICO	90	92	52	5	58	56	47	19	45	48	103	43	46	69	21	43	43	41
NEW YORK	30	52	32	51	46	24	18	14	15	16	17	7	20	73	9	12	23	18
NORTH CAROLINA	21	24	21	41	3	17	23	32	22	11	19	U/A	19	20	82	17	20	20
NORTH CAROLINA STATE	108	90	75	39	19	57	84	64	72	85	65	73	90	31	94	82	71	74
NORTHWESTERN	24	44	22	70	76	37	29	33	31	U/A	42	U/A	35	44	25	21	51	34
NOTRE DAME	59	63	53	82	63	79	93	85	90	U/A	52	U/A	92	81	70	101	45	82
OHIO STATE	18	25	26	40	64	27	24	22	23	13	38	9	10	48	3	19	28	19
OKLAHOMA	55	82	80	49	8	80	102	79	98	81	93	27	68	47	6	88	102	93
OKLAHOMA STATE	101	35	78	69	74	107	107	28	102	90	108	U/A	104	71	63	88	106	100
OREGON	76	95	76	95	35	68	87	53	75	36	64	47	67	76	79	85	97	81
PENNSYLVANIA	20	1	25	72	76	23	22	13	19	22	23	U/A	23	59	5	21	34	25
PENNSYLVANIA STATE	26	16	30	61	76	16	17	42	18	U/A	12	15	13	34	24	15	6	13
PITTSBURGH	34	29	39	62	76	31	39	24	32	U/A	34	U/A	24	41	35	31	35	26
PRINCETON	16	20	31	59	U/A	12	16	52	17	4	6	6	51	72	78	18	18	23
PURDUE	73	55	99	90	38	69	74	68	70	78	87	57	41	82	69	71	47	56
QUEEN'S	86	66	96	52	14	86	69	106	82	51	77	46	73	104	87	94	52	89
RICE	94	75	101	89	54	95	105	69	100	53	63	62	103	106	106	88	105	107
ROCHESTER	40	98	105	37	39	72	92	84	85	72	94	60	57	50	57	64	91	82
RUTGERS	25	39	28	21	2	14	7	30	13	20	24	U/A	9	58	29	20	13	16
SASKATCHEWAN	106	67	100	76	56	92	91	105	99	69	79	69	75	101	51	106	61	101
SOUTH CAROLINA	49	79	67	33	26	85	79	39	71	63	90	U/A	93	70	36	58	73	72
SOUTHERN CALIFORNIA	32	46	40	35	40	38	33	34	34	25	46	U/A	21	68	86	30	63	41
SOUTHERN ILLINOIS	60	74	81	42	48	96	89	80	92	80	101	32	71	23	74	101	99	82
STANFORD	10	13	15	27	U/A	3	3	4	2	U/A	2	U/A	6	80	73	5	8	5

U/A - Figure unavailable

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
SUNY-ALBANY	98	107	90	74	76	102	97	98	105	83	99	33	102	53	71	92	101	102
SUNY-BUFFALO	41	34	50	25	34	53	50	67	59	58	69	22	64	19	67	36	82	54
SUNY-STONY BROOK	92	99	83	55	65	61	72	82	74	79	86	68	53	27	75	92	83	83
SYRACUSE	51	94	86	57	41	71	80	78	78	88	102	U/A	94	102	89	50	52	60
TEMPLE	64	83	93	84	61	74	66	58	68	60	81	59	70	88	81	53	76	70
TENNESSEE	77	59	69	63	28	58	85	61	73	57	78	35	61	75	33	68	54	61
TEXAS	5	7	11	15	76	20	13	15	14	19	29	5	18	32	26	9	3	4
TEXAS A&M	66	21	890	26	71	44	62	40	53	39	50	53	40	26	12	50	40	31
TORONTO	7	5	18	100	4	7	2	51	5	2	3	4	8	62	88	4	2	3
TULANE	85	72	84	83	17	70	101	75	95	44	61	39	87	85	68	78	90	91
UTAH	56	47	64	58	27	83	65	31	64	U/A	45	U/A	98	49	56	62	42	43
VANDERBILT	72	56	87	85	55	50	61	38	52	35	54	38	48	84	66	40	55	49
VIRGINIA	23	27	17	29	23	28	34	27	27	18	28	11	34	15	15	34	28	32
VPI & SU	91	78	74	6	50	47	99	97	84	37	66	36	49	64	50	101	93	92
WASHINGTON	15	12	8	4	U/A	11	10	12	10	33	16	U/A	2	4	80	11	15	12
WASHINGTON STATE	99	104	46	64	U/A	101	82	65	88	76	104	U/A	80	43	100	96	86	96
WASHINGTON U.-ST. LOUIS	37	62	71	79	73	32	59	43	43	59	53	U/A	28	42	18	41	41	45
WATERLOO	100	86	88	106	76	97	67	104	87	66	68	44	96	105	99	97	62	102
WAYNE STATE	43	32	42	48	49	59	52	36	51	70	57	30	60	28	92	44	88	63
WESTERN ONTARIO	71	60	70	65	76	52	41	94	50	23	48	52	55	100	102	94	33	55
WISCONSIN	14	22	14	34	59	13	12	9	12	8	14	U/A	14	3	13	7	19	11
YALE	2	9	9	23	13	2	5	3	3	3	10	U/A	11	87	62	2	4	7
YORK	78	57	66	60	76	93	37	72	57	U/A	56	U/A	97	94	105	74	43	57

U/A - Figure unavailable

RANK ORDER TABLES OF UNIVERSITY LIBRARIES

The groupings of institutions in the following Rank Order Tables is done because, in a number of cases, there is relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified on each table.

RANK ORDER TABLE 1: VOLUMES IN LIBRARY

Group Ranges (in thousands) are:

1 - over 9,000	4 - 6,000-6,999	7 - 3,000-3,999
2 - 8,000-8,999	5 - 5,000-5,999	8 - 2,000-2,999
3 - 7,000-7,999	6 - 4,000-4,999	9 - 1,000-1,999

Gp	Rank	Institution	Value
1	1	HARVARD	12,605,537
	2	YALE	9,327,219
2	3	ILLINOIS, URBANA	8,281,456
3	4	CALIFORNIA, BERKELEY	7,981,724
4	5	TEXAS	6,835,983
	6	MICHIGAN	6,699,359
	7	TORONTO	6,408,524
	8	CALIFORNIA, LOS ANGELES	6,390,409
	9	COLUMBIA	6,386,712
	10	STANFORD	6,250,671
5	11	CORNELL	5,579,629
	12	CHICAGO	5,578,937
	13	INDIANA	5,438,860
	14	WISCONSIN	5,424,299
	15	WASHINGTON	5,248,347
	16	PRINCETON	5,081,114
	17	MINNESOTA	5,008,637
6	18	OHIO STATE	4,693,081
	19	DUKE	4,234,985
	20	PENNSYLVANIA	4,099,548
	21	NORTH CAROLINA	4,059,441
	22	ARIZONA	4,018,071
7	23	VIRGINIA	3,948,504
	24	NORTHWESTERN	3,642,790
	25	RUTGERS	3,441,294
	26	PENNSYLVANIA STATE	3,421,370
	27	ALBERTA	3,389,394
	28	BRITISH COLUMBIA	3,347,672
	29	IOWA	3,317,265
	30	NEW YORK	3,273,708
	31	KANSAS	3,193,850
	32	SOUTHERN CALIFORNIA	3,168,969
	33	GEORGIA	3,131,402
	34	PITTSBURGH	3,122,798
	35	FLORIDA	3,022,768
	36	JOHNS HOPKINS	3,012,364
8	37	WASHINGTON U.-ST. LOUIS	2,979,934
	38	MICHIGAN STATE	2,939,376
	39	ARIZONA STATE	2,922,157
	40	ROCHESTER	2,812,892
	41	SUNY-BUFFALO	2,797,145
	42	MCGILL	2,766,775
	43	WAYNE STATE	2,752,167
	44	HAWAII	2,718,618
	45	LOUISIANA STATE	2,709,757
	46	CALIFORNIA, DAVIS	2,659,270
	47	MISSOURI	2,630,419
	48	BROWN	2,606,259
	49	SOUTH CAROLINA	2,576,311
	50	MASSACHUSETTS	2,575,292
	51	SYRACUSE	2,572,485
	52	KENTUCKY	2,515,874
	53	COLORADO	2,504,405
	54	CONNECTICUT	2,442,215
	55	OKLAHOMA	2,430,404
	56	UTAH	2,345,111
	57	MIT	2,320,524
	58	BRIGHAM YOUNG	2,262,029
	59	NOTRE DAME	2,252,029
	60	SOUTHERN ILLINOIS	2,248,064
	61	CALIFORNIA, SAN DIEGO	2,241,696
	62	MARYLAND	2,231,552
	63	EMORY	2,212,507
	64	TEMPLE	2,189,431
	65	NEBRASKA	2,164,254
	66	TEXAS A&M	2,154,600
	67	AUBURN	2,140,856
	68	KENT STATE	2,139,129
	69	CALIFORNIA, SANTA BARBARA	2,126,774
	70	DELAWARE	2,119,899
	71	WESTERN ONTARIO	2,104,301
	72	VANDERBILT	2,085,652
	73	PURDUE	2,076,302
	74	GUELPH	2,058,632
	75	FLORIDA STATE	2,028,509
	76	OREGON	2,024,323
	77	TENNESSEE	2,021,903
	78	YORK	2,011,251
9	79	IOWA STATE	1,994,376
	80	DARTMOUTH	1,992,074
	81	LAVAL	1,987,510
	82	GEORGETOWN	1,965,113
	83	ALABAMA	1,949,073
	84	CINCINNATI	1,947,773
	85	TULANE	1,943,858
	86	QUEEN'S	1,937,296
	87	HOWARD	1,905,110
	88	BOSTON	1,895,723
	89	MIAMI	1,875,556
	90	NEW MEXICO	1,859,848
	91	VPI & SU	1,849,994
	92	SUNY-STONY BROOK	1,848,618
	93	CASE WESTERN RESERVE	1,802,042
	94	RICE	1,794,602
	95	ILLINOIS, CHICAGO	1,782,637
	96	GEORGIA TECH	1,771,934
	97	HOUSTON	1,754,375
	98	SUNY-ALBANY	1,748,697
	99	WASHINGTON STATE	1,717,764
	100	WATERLOO	1,716,502
	101	OKLAHOMA STATE	1,705,986
	102	CALIFORNIA, RIVERSIDE	1,682,006
	103	MCMASTER	1,654,619
	104	MANITOBA	1,609,237
	105	CALIFORNIA, IRVINE	1,598,488
	106	SASKATCHEWAN	1,547,741
	107	COLORADO STATE	1,505,169
	108	NORTH CAROLINA STATE	1,485,041

Figure for some institutions includes government documents. See also Rank Order Table 5: Government Documents.

RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

The ranges for the groups below are:

1 - 250,000 and over
2 - 220,000-249,999
3 - 190,000-219,999
4 - 160,000-189,999
5 - 130,000-159,999
6 - 100,000-129,999
7 - 70,000- 99,999
8 - 40,000- 69,999
9 - under 39,999

Gp	Rank	Institution	Value
1	1	PENNSYLVANIA	264,165
2	2	HARVARD	245,643
3	3	INDIANA	191,185
4	4	ILLINOIS, URBANA	185,693
	5	TORONTO	185,478
	6	CALIFORNIA, LOS ANGELES	175,991
	7	TEXAS	173,891
	8	CORNELL	173,428
	9	YALE	163,217
5	10	ALBERTA	152,561
	11	CALIFORNIA, BERKELEY	144,157
	12	WASHINGTON	143,303
	13	STANFORD	142,839
	14	COLUMBIA	139,073
	15	CHICAGO	135,778
	16	PENNSYLVANIA STATE	133,805
6	17	MINNESOTA	129,858
	18	MICHIGAN	128,765
	19	BRITISH COLUMBIA	122,953
	20	PRINCETON	122,674
	21	TEXAS A&M	121,069
	22	WISCONSIN	118,122
	23	ARIZONA	114,197
	24	NORTH CAROLINA	112,493
	25	OHIO STATE	110,647
	26	DUKE	110,504
	27	VIRGINIA	109,970
	28	ARIZONA STATE	102,389
7	29	PITTSBURGH	89,968
	30	CONNECTICUT	89,838
	31	HAWAII	89,339
	32	WAYNE STATE	88,868
	33	MICHIGAN STATE	88,695
	34	SUNY-BUFFALO	87,882
	35	OKLAHOMA STATE	87,031
	36	MIAMI	84,325
	37	DARTMOUTH	83,844
	38	AUBURN	83,564
	39	RUTGERS	83,431
	40	GEORGIA	82,911
	41	KANSAS	81,733
	42	CALIFORNIA, DAVIS	81,558
	43	COLORADO	78,943
	44	NORTHWESTERN	78,204
	45	CALIFORNIA, SAN DIEGO	78,173
	46	SOUTHERN CALIFORNIA	76,861
	47	UTAH	76,056
	48	LAVAL	72,304
8	49	IOWA	69,383
	50	BRIGHAM YOUNG	69,112
	51	MCGILL	68,580
	52	NEW YORK	68,472
	53	EMORY	68,138
	54	JOHNS HOPKINS	68,001
	55	PURDUE	67,814
	56	VANDERBILT	66,068
	57	YORK	65,483
	58	MASSACHUSETTS	64,875
	59	TENNESSEE	64,811
	60	WESTERN ONTARIO	63,855
	61	COLORADO STATE	63,724
	62	WASHINGTON U.-ST. LOUIS	63,708
	63	NOTRE DAME	63,451
	64	MARYLAND	63,163
	65	GEORGETOWN	61,493
	66	QUEEN'S	60,973
	67	SASKATCHEWAN	60,922
	68	KENTUCKY	59,923
	69	MIT	59,646
	70	NEBRASKA	59,585
	71	BROWN	59,299
	72	TULANE	58,415
	73	MISSOURI	58,017
	74	SOUTHERN ILLINOIS	57,508
	75	RICE	57,507
	76	BOSTON	57,344
	77	LOUISIANA STATE	56,559
	78	VPI & SU	55,284
	79	SOUTH CAROLINA	53,490
	80	FLORIDA STATE	53,399
	81	CALIFORNIA, SANTA BARBARA	53,221
	82	OKLAHOMA	52,258
	83	TEMPLE	52,069
	84	FLORIDA	51,877
	85	DELAWARE	50,639
	86	WATERLOO	49,962
	87	HOUSTON	49,696
	88	CINCINNATI	49,562
	89	ALABAMA	49,502
	90	NORTH CAROLINA STATE	48,781
	91	ILLINOIS, CHICAGO	47,339
	92	NEW MEXICO	47,229
	93	GUELPH	46,902
	94	SYRACUSE	45,932
	95	OREGON	45,650
	96	CALIFORNIA, IRVINE	45,389
	97	IOWA STATE	43,218
	98	ROCHESTER	42,243
	99	SUNY-STONY BROOK	42,158
	100	KENT STATE	42,074
	101	CALIFORNIA, RIVERSIDE	41,850
	102	MCMASTER	40,398
9	103	MANITOBA	39,003
	104	WASHINGTON STATE	38,711
	105	HOWARD	37,876
	106	CASE WESTERN RESERVE	37,874
	107	SUNY-ALBANY	37,336
	108	GEORGIA TECH	35,415

RANK ORDER TABLE 3: CURRENT SERIALS (TOTAL)

The ranges for the groups below are:

1 - 55,000 and over
2 - 50,000-54,999
3 - 45,000-49,999
4 - 40,000-44,999
5 - 35,000-39,999
6 - 30,000-34,999
7 - 25,000-29,999
8 - 20,000-24,999
9 - 15,000-19,999
10 - under 15,000

Gp	Rank	Institution	Value
1	1	HARVARD +	96,357
	2	CALIFORNIA, LOS ANGELES	94,612
	3	ILLINOIS, URBANA	91,026
	4	CALIFORNIA, BERKELEY	89,730
	5	MICHIGAN	70,691
	6	COLUMBIA	65,000
	7	CORNELL	61,015
2	8	WASHINGTON	54,517
	9	YALE	52,971
	10	MINNESOTA	52,018
	11	TEXAS +	51,689
	12	CALIFORNIA, DAVIS	50,298
3	13	GEORGIA	47,993
	14	WISCONSIN +	46,651
	15	STANFORD +	46,397
	16	CHICAGO	45,613
4	17	VIRGINIA	44,349
	18	TORONTO	41,103
	19	IOWA	40,047
5	20	INDIANA	39,929
	21	NORTH CAROLINA	38,288
	22	NORTHWESTERN	37,424
	23	HAWAII	36,592
6	24	KANSAS	33,047
	25	PENNSYLVANIA	33,024
	26	OHIO STATE	33,010
	27	DUKE	32,732
	28	RUTGERS	32,564
	29	ARIZONA STATE	32,241
	30	PENNSYLVANIA STATE	31,707
	31	PRINCETON	30,656
7	32	NEW YORK	28,689
	33	ARIZONA	28,662
	34	BOSTON	28,512
	35	MICHIGAN STATE	27,876
	36	COLORADO	27,727
	37	KENTUCKY	26,889
	38	HOWARD +	25,564
8	39	PITTSBURGH	24,991
	40	SOUTHERN CALIFORNIA	24,832
	41	GEORGETOWN +	24,763
	42	WAYNE STATE	24,468
	43	CALIFORNIA, SAN DIEGO	24,414
	44	CALIFORNIA, SANTA BARBARA	24,325
	45	FLORIDA +	24,191
	46	WASHINGTON STATE	24,038
	47	EMORY	22,842
	48	BRITISH COLUMBIA	22,787
	49	MISSOURI	22,688
	50	SUNY-BUFFALO +	22,593
	51	ALBERTA	21,972
	52	NEW MEXICO	21,795
	53	NOTRE DAME +	21,727
	54	NEBRASKA	21,671
	55	AUBURN	21,611
	56	IOWA STATE	21,547
	57	JOHNS HOPKINS +	21,172
	58	MIT	21,136
	59	ILLINOIS, CHICAGO	21,119
	60	DELAWARE +	20,941
	61	COLORADO STATE	20,868
	62	DARTMOUTH +	20,143
9	63	CINCINNATI	19,574
	64	UTAH	19,572
	65	MARYLAND	19,433
	66	YORK	19,312
	67	SOUTH CAROLINA	19,232
	68	MIAMI	18,890
	69	TENNESSEE	18,881
	70	WESTERN ONTARIO	18,770
	71	WASHINGTON U.-ST. LOUIS +	18,601
	72	MCGILL	18,524
	73	FLORIDA STATE +	18,420
	74	VPI & SU	18,288
	75	NORTH CAROLINA STATE	18,086
	76	OREGON	17,914
	77	BRIGHAM YOUNG	17,698
	78	OKLAHOMA STATE	17,553
	79	CALIFORNIA, IRVINE	17,550
	80	OKLAHOMA	17,400
	81	SOUTHERN ILLINOIS +	17,047
	82	LAVAL	16,975
	83	SUNY-STONY BROOK	16,952
	84	TULANE +	16,934
	85	CONNECTICUT +	16,924
	86	SYRACUSE	16,477
	87	VANDERBILT +	16,357
	88	WATERLOO	16,196
	89	TEXAS A&M +	16,187
	90	LOUISIANA STATE	16,169
	91	ALABAMA	16,164
	92	SUNY-ALBANY	16,039
	93	TEMPLE	15,699
	94	MASSACHUSETTS	15,546
10	95	MCMASTER	14,921
	96	QUEEN'S +	14,800
	97	HOUSTON +	14,437
	98	CASE WESTERN RESERVE +	14,344
	99	PURDUE +	14,139
	100	SASKATCHEWAN	13,820
	101	RICE	13,725
	102	CALIFORNIA, RIVERSIDE +	13,621
	103	BROWN	13,533
	104	GUELPH	12,945
	105	ROCHESTER	12,885
	106	MANITOBA	11,928
	107	GEORGIA TECH	11,381
	108	KENT STATE	11,146

+ - Figure does not include government document serials.

RANK ORDER TABLE 4: MICROFORM HOLDINGS

Group Ranges (in thousands) are:

1 - 5,000 and over	4 - 3,500-3,999	7 - 2,000-2,499
2 - 4,500-4,999	5 - 3,000-3,499	8 - 1,500-1,999
3 - 4,000-4,499	6 - 2,500-2,999	9 - under 1,500

Gp	Rank	Institution	Value
1	1	HARVARD	6,775,087
	2	CORNELL	6,129,806
	3	ARIZONA STATE	5,984,180
	4	WASHINGTON	5,897,649
	5	NEW MEXICO	5,531,424
	6	VPI & SU	5,475,305
	7	CALIFORNIA, LOS ANGELES	5,432,043
	8	HAWAII	5,366,035
	9	FLORIDA	5,282,887
	10	MISSOURI	5,167,063
	11	CALIFORNIA, BERKELEY	5,075,278
	12	IOWA	5,057,309
	13	GEORGIA	5,039,725
	14	KENTUCKY	5,039,306
2	15	TEXAS	4,916,806
	16	MICHIGAN	4,905,227
	17	COLORADO	4,864,472
	18	MARYLAND	4,796,258
	19	MICHIGAN STATE	4,761,500
	20	COLUMBIA	4,648,797
	21	RUTGERS	4,580,450
3	22	ARIZONA	4,474,938
	23	YALE	4,410,748
	24	MINNESOTA	4,356,552
	25	SUNY-BUFFALO	4,257,466
	26	TEXAS A&M	4,217,750
	27	STANFORD	4,140,910
	28	BRITISH COLUMBIA	4,106,945
	29	VIRGINIA	4,105,665
	30	FLORIDA STATE	4,103,578
	31	LOUISIANA STATE	4,029,760
4	32	ILLINOIS, URBANA	3,999,062
	33	SOUTH CAROLINA	3,971,189
	34	WISCONSIN	3,963,028
	35	SOUTHERN CALIFORNIA	3,947,401
	36	CALIFORNIA, SANTA BARBARA	3,817,867
	37	ROCHESTER	3,781,757
	38	NEBRASKA	3,723,785
	39	NORTH CAROLINA STATE	3,701,627
	40	OHIO STATE	3,700,774
	41	NORTH CAROLINA	3,581,616
	42	SOUTHERN ILLINOIS	3,537,477
	43	HOWARD	3,510,103
5	44	HOUSTON	3,479,646
	45	GEORGIA TECH	3,471,656
	46	ALBERTA	3,453,945
	47	CONNECTICUT	3,433,212
	48	WAYNE STATE	3,316,420
	49	OKLAHOMA	3,294,140
	50	INDIANA	3,260,559
	51	NEW YORK	3,236,036
	52	QUEEN'S	3,232,173
	53	BOSTON	3,208,474
	54	MIAMI	3,192,822
	55	SUNY-STONY BROOK	3,188,571
	56	CALIFORNIA, DAVIS	3,177,893
	57	SYRACUSE	3,147,583
	58	UTAH	3,112,864
	59	PRINCETON	3,038,830
	60	YORK	3,025,731
6	61	PENNSYLVANIA STATE	2,998,995
	62	PITTSBURGH	2,933,522
	63	TENNESSEE	2,928,027
	64	WASHINGTON STATE	2,899,011
	65	WESTERN ONTARIO	2,866,316
	66	ALABAMA	2,860,342
	67	AUBURN	2,811,499
	68	EMORY	2,801,711
	69	OKLAHOMA STATE	2,786,695
	70	NORTHWESTERN	2,741,068
	71	CINCINNATI	2,691,444
	72	PENNSYLVANIA	2,691,254
	73	KANSAS	2,668,456
	74	SUNY-ALBANY	2,665,313
	75	IOWA STATE	2,579,364
	76	SASKATCHEWAN	2,533,259
7	77	DELAWARE	2,480,866
	78	GEORGETOWN	2,440,377
	79	WASHINGTON U.-ST. LOUIS	2,419,941
	80	DARTMOUTH	2,334,384
	81	CALIFORNIA, SAN DIEGO	2,292,093
	82	NOTRE DAME	2,285,472
	83	TULANE	2,260,518
	84	TEMPLE	2,189,289
	85	VANDERBILT	2,152,658
	86	ILLINOIS, CHICAGO	2,112,590
	87	CASE WESTERN RESERVE	2,089,795
	88	COLORADO STATE	2,081,075
	89	RICE	2,075,472
	90	PURDUE	2,061,467
	91	CALIFORNIA, IRVINE	2,009,936
	92	BRIGHAM YOUNG	2,006,215
8	93	MASSACHUSETTS	1,993,325
	94	CHICAGO	1,978,634
	95	OREGON	1,973,513
	96	MIT	1,969,869
	97	JOHNS HOPKINS	1,948,817
	98	DUKE	1,878,712
9	99	CALIFORNIA, RIVERSIDE	1,487,172
	100	TORONTO	1,336,183
	101	GUELPH	1,322,885
	102	MCMASTER	1,314,572
	103	BROWN	1,296,893
	104	MCGILL	1,245,360
	105	MANITOBA	1,153,316
	106	WATERLOO	1,112,959
	107	LAVAL	1,079,766
	108	KENT STATE	1,072,865

RANK ORDER TABLE 5: GOVERNMENT DOCUMENTS

This table reflects separately-housed government documents NOT ALREADY COUNTED as Volumes in Library (Table 1). Some institutions' holdings are split between Tables 1 and 5. A "0" in this table may indicate that all documents holdings have been included in Table 1. See Footnotes and statistics instructions for further clarification.

Group Ranges (in thousands) are:

1 - 2,100 and over
2 - 1,800-2,099
3 - 1,500-1,799
4 - 1,200-1,499
5 - 900-1,199
6 - 600-899
7 - 300-599
8 - below 300
9 - none (see above)

Gp	Rank	Institution	Value
1	1	MINNESOTA	2,908,437
	2	RUTGERS	2,481,562
2	3	NORTH CAROLINA	1,823,523
3	4	TORONTO	1,747,107
	5	MISSOURI	1,680,641
	6	COLORADO	1,531,582
	7	DUKE	1,526,941
4	8	OKLAHOMA	1,224,101
5	9	FLORIDA	1,172,537
	10	KENTUCKY	1,170,862
	11	ALABAMA	1,096,517
	12	IOWA	997,182
	13	YALE	987,778
	14	QUEEN'S	980,603
	15	MIAMI	948,000
	16	FLORIDA STATE	923,563
	17	TULANE	918,682
	18	MICHIGAN STATE	905,914
6	19	NORTH CAROLINA STATE	849,310
	20	NEBRASKA	844,078
	21	MCGILL	827,737
	22	GEORGIA	809,554
	23	VIRGINIA	795,603
	24	BRITISH COLUMBIA	793,798
	25	MARYLAND	778,572
	26	SOUTH CAROLINA	729,018
	27	UTAH	700,343
	28	TENNESSEE	691,718
	29	CALIFORNIA, SANTA BARBARA	682,145
	30	KANSAS	634,948
	31	HOUSTON	628,934
	32	ILLINOIS, CHICAGO	613,718
7	33	ARIZONA STATE	575,200
	34	SUNY-BUFFALO	530,000
	35	OREGON	497,091
	36	MANITOBA	488,466
	37	CALIFORNIA, IRVINE	486,545
	38	PURDUE	470,735
	39	ROCHESTER	457,214
	40	SOUTHERN CALIFORNIA	453,215
	41	SYRACUSE	431,802
	42	ALBERTA	421,085
	43	DELAWARE	399,295
	44	AUBURN	394,114
	45	GEORGETOWN	383,744
	46	NEW YORK	379,769
	47	CINCINNATI	378,436
	48	SOUTHERN ILLINOIS	374,107
	49	WAYNE STATE	364,580
	50	VPI & SU	356,422
	51	BRIGHAM YOUNG	355,680
	52	CALIFORNIA, RIVERSIDE	339,592
	53	COLORADO STATE	323,019
8	56	SASKATCHEWAN	299,213
	57	LAVAL	291,200
	58	NEW MEXICO	279,021
	59	WISCONSIN	278,158
	60	CALIFORNIA, SAN DIEGO	241,400
	61	TEMPLE	177,946
	62	COLUMBIA	162,516
	63	NOTRE DAME	161,668
	64	OHIO STATE	131,664
	65	SUNY-STONY BROOK	124,962
	66	CALIFORNIA, BERKELEY	109,096
	67	LOUISIANA STATE	86,624
	68	CALIFORNIA, DAVIS	86,422
	69	EMORY	76,114
	70	CALIFORNIA, LOS ANGELES	69,829
	71	TEXAS A&M	65,519
	72	CASE WESTERN RESERVE	29,082
	73	WASHINGTON U.-ST. LOUIS	4,050
	74	OKLAHOMA STATE	275
	75	KENT STATE	85
9	76	ARIZONA	0
	76	BROWN	0
	76	DARTMOUTH	0
	76	GEORGIA TECH	0
	76	HAWAII	0
	76	HOWARD	0
	76	INDIANA	0
	76	IOWA STATE	0
	76	JOHNS HOPKINS	0
	76	MASSACHUSETTS	0
	76	MCMASTER	0
	76	MICHIGAN	0
	76	MIT	0
	76	NORTHWESTERN	0
	76	PENNSYLVANIA	0
	76	PENNSYLVANIA STATE	0
	76	PITTSBURGH	0
	76	SUNY-ALBANY	0
	76	TEXAS	0
	76	WATERLOO	0
	76	WESTERN ONTARIO	0
	76	YORK	0
		BOSTON	U/A
		CHICAGO	U/A
		CONNECTICUT	U/A
		CORNELL	U/A
		GUELPH	U/A
		HARVARD	U/A
		ILLINOIS, URBANA	U/A
		PRINCETON	U/A
		STANFORD	U/A
		WASHINGTON	U/A
		WASHINGTON STATE	U/A

U/A - Figure unavailable

RANK ORDER TABLE 6: MATERIALS EXPENDITURES

Group Ranges (in thousands) are:

1 - 7,000 and over	4 - 5,500-5,999	7 - 4,000-4,499
2 - 6,500-6,999	5 - 5,000-5,499	8 - 3,500-3,999
3 - 6,000-6,499	6 - 4,500-4,999	9 - 3,000-3,499
		10 - under 3,000

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD	13,554,427		54	ILLINOIS, CHICAGO	4,305,983
	2	YALE	10,952,000		55	IOWA STATE	4,288,863
	3	STANFORD	10,510,059		56	NEW MEXICO	4,249,268
	4	MICHIGAN	9,972,068		57	NORTH CAROLINA STATE	4,236,505
	5	CALIFORNIA, BERKELEY	8,824,344		58	TENNESSEE	4,212,313
	6	CORNELL	8,798,108		59	WAYNE STATE	4,170,176
	7	TORONTO	8,769,014		60	FLORIDA STATE	4,125,606
	8	CALIFORNIA, LOS ANGELES	8,574,430		61	SUNY-STONY BROOK	4,118,011
	9	COLUMBIA	8,076,389		62	DELAWARE	4,097,346
	10	MINNESOTA	8,050,829		63	KENTUCKY	4,058,620
	11	WASHINGTON	7,948,077		64	HAWAII	4,054,214
	12	PRINCETON	7,480,067		65	MCGILL	4,042,699
	13	WISCONSIN	7,305,794		66	LAVAL	4,036,078
	14	RUTGERS	7,273,835		67	BRIGHAM YOUNG	4,011,794
	15	INDIANA	7,141,489		68	OREGON	4,007,845
	16	PENNSYLVANIA STATE	7,022,206		69	PURDUE	4,005,902
2	17	NORTH CAROLINA	6,825,338	8	70	TULANE	3,925,613
	18	ILLINOIS, URBANA	6,746,032		71	SYRACUSE	3,898,572
	19	COLORADO	6,597,445		72	ROCHESTER	3,880,364
	20	TEXAS	6,561,837		73	CALIFORNIA, IRVINE	3,837,945
	21	JOHNS HOPKINS	6,507,779		74	TEMPLE	3,810,609
					75	MISSOURI	3,808,746
3	22	DUKE	6,472,726		76	HOUSTON	3,807,611
	23	PENNSYLVANIA	6,428,935		77	DARTMOUTH	3,767,688
	24	NEW YORK	6,411,778		78	NEBRASKA	3,765,987
	25	ARIZONA STATE	6,397,496		79	NOTRE DAME	3,748,868
	26	ARIZONA	6,363,868		80	OKLAHOMA	3,722,999
	27	OHIO STATE	6,358,941		81	BROWN	3,716,716
					82	MCMASTER	3,689,264
4	28	VIRGINIA	5,942,988		83	UTAH	3,642,121
	29	CHICAGO	5,908,213		84	HOWARD	3,612,691
	30	BRITISH COLUMBIA	5,805,183		85	SOUTH CAROLINA	3,608,150
	31	PITTSBURGH	5,705,644		86	QUEEN'S	3,598,031
	32	WASHINGTON U.-ST. LOUIS	5,665,444		87	AUBURN	3,557,742
	33	GEORGIA	5,601,935		88	BOSTON	3,547,912
	34	EMORY	5,582,293		89	CALIFORNIA, SANTA BARBARA	3,533,665
					90	MIT	3,527,128
5	35	CALIFORNIA, DAVIS	5,444,233		91	MASSACHUSETTS	3,519,604
	36	IOWA	5,403,566		92	SASKATCHEWAN	3,517,326
	37	NORTHWESTERN	5,376,092		93	YORK	3,514,384
	38	SOUTHERN CALIFORNIA	5,282,503		94	CASE WESTERN RESERVE	3,507,782
	39	KANSAS	5,194,336				
	40	CONNECTICUT	5,015,905	9	95	RICE	3,431,672
					96	SOUTHERN ILLINOIS	3,379,691
6	41	MIAMI	4,922,300		97	WATERLOO	3,220,214
	42	GEORGETOWN	4,841,036		98	ALABAMA	3,208,970
	43	FLORIDA	4,701,918		99	COLORADO STATE	3,178,542
	44	TEXAS A&M	4,672,226		100	LOUISIANA STATE	3,152,470
	45	ALBERTA	4,654,469		101	WASHINGTON STATE	3,029,936
	46	MICHIGAN STATE	4,650,248				
	47	VPI & SU	4,644,531	10	102	SUNY-ALBANY	2,934,127
	48	CALIFORNIA, SAN DIEGO	4,634,591		103	MANITOBA	2,748,698
	49	CINCINNATI	4,597,854		104	CALIFORNIA, RIVERSIDE	2,667,376
	50	VANDERBILT	4,518,989		105	GUELPH	2,565,962
	51	MARYLAND	4,518,326		106	KENT STATE	2,551,403
					107	OKLAHOMA STATE	2,380,800
7	52	WESTERN ONTARIO	4,419,508		108	GEORGIA TECH	2,250,112
	53	SUNY-BUFFALO	4,316,674				

RANK ORDER TABLE 7: SALARIES & WAGES EXPENDITURES

Group Ranges (in thousands) are:

1 - 12,000 and over
2 - 11,000-11,999
3 - 10,000-10,999
6 - 7,000-7,999
5 - 8,000- 8,999
4 - 9,000- 9,9999
7 - 6,000-6,999
8 - 5,000-5,999
9 - 4,000-4,999
10 - under 4,000

Gp	Rank	Institution	Value
1	1	HARVARD	30,884,679
	2	TORONTO	20,215,735
	3	STANFORD	18,956,137
	4	CALIFORNIA, BERKELEY	18,270,244
	5	YALE	15,717,200
	6	COLUMBIA	14,394,884
	7	RUTGERS	13,865,592
	8	CORNELL	13,851,701
	9	CALIFORNIA, LOS ANGELES	13,672,104
	10	WASHINGTON	12,776,579
	11	MICHIGAN	12,656,980
	12	WISCONSIN	12,495,805
	13	TEXAS	12,377,469
	14	MINNESOTA	12,050,728
2	15	BRITISH COLUMBIA	11,544,829
	16	PRINCETON	11,053,032
3	17	PENNSYLVANIA STATE	10,954,632
	18	NEW YORK	10,780,049
	19	INDIANA	10,404,748
	20	ILLINOIS, URBANA	10,240,706
	21	ALBERTA	10,138,436
4	22	PENNSYLVANIA	9,582,732
5	23	NORTH CAROLINA	8,951,603
	24	OHIO STATE	8,894,226
	25	CALIFORNIA, SAN DIEGO	8,813,100
	26	MCGILL	8,758,324
	27	CHICAGO	8,632,765
	28	CALIFORNIA, DAVIS	8,416,965
	29	NORTHWESTERN	8,207,293
	30	FLORIDA	8,191,399
	31	LAVAL	8,164,649
	32	DUKE	8,137,416
6	33	SOUTHERN CALIFORNIA	7,955,933
	34	VIRGINIA	7,859,483
	35	ARIZONA STATE	7,611,189
	36	JOHNS HOPKINS	7,300,975
	37	YORK	7,299,090
	38	GEORGETOWN	7,248,040
	39	PITTSBURGH	7,242,418
	40	ARIZONA	7,182,610
	41	WESTERN ONTARIO	7,169,900
7	42	IOWA	6,886,722
	43	MARYLAND	6,868,499
	44	HAWAII	6,813,539
	45	CALIFORNIA, IRVINE	6,720,856
	46	MICHIGAN STATE	6,694,228
	47	NEW MEXICO	6,452,861
	48	KANSAS	6,428,732
	49	GEORGIA	6,336,461
	50	SUNY-BUFFALO	6,299,848
	51	ILLINOIS, CHICAGO	6,295,960
	52	WAYNE STATE	6,224,655
	53	MIT	6,221,780
	54	MANITOBA	6,077,034
8	55	CONNECTICUT	5,991,430
	56	CALIFORNIA, SANTA BARBARA	5,933,510
	57	EMORY	5,921,573
	58	CINCINNATI	5,911,825
	59	WASHINGTON U.-ST. LOUIS	5,872,191
	60	COLORADO	5,869,971
	61	VANDERBILT	5,715,013
	62	TEXAS A&M	5,624,646
	63	KENTUCKY	5,622,687
	64	BRIGHAM YOUNG	5,619,951
	65	UTAH	5,416,335
	66	TEMPLE	5,391,723
	67	WATERLOO	5,384,163
	68	MIAMI	5,364,088
	69	QUEEN'S	5,338,432
	70	BROWN	5,280,552
	71	BOSTON	5,253,180
	72	SUNY-STONY BROOK	5,230,823
	73	MCMASTER	5,201,919
	74	PURDUE	5,185,629
	75	KENT STATE	5,179,323
	76	HOWARD	5,169,121
	77	IOWA STATE	5,024,022
9	78	LOUISIANA STATE	4,900,568
	79	SOUTH CAROLINA	4,839,234
	80	SYRACUSE	4,818,436
	81	MASSACHUSETTS	4,778,289
	82	WASHINGTON STATE	4,741,144
	83	DARTMOUTH	4,715,047
	84	NORTH CAROLINA STATE	4,650,549
	85	TENNESSEE	4,594,981
	86	DELAWARE	4,522,470
	87	OREGON	4,452,939
	88	MISSOURI	4,410,897
	89	SOUTHERN ILLINOIS	4,397,173
	90	NEBRASKA	4,356,621
	91	SASKATCHEWAN	4,293,747
	92	ROCHESTER	4,276,468
	93	NOTRE DAME	4,203,134
	94	CASE WESTERN RESERVE	4,175,279
	95	GUELPH	4,094,335
	96	CALIFORNIA, RIVERSIDE	4,038,108
10	97	SUNY-ALBANY	3,917,422
	98	HOUSTON	3,813,458
	99	VPI & SU	3,767,982
	100	FLORIDA STATE	3,739,368
	101	TULANE	3,593,161
	102	OKLAHOMA	3,566,138
	103	COLORADO STATE	3,529,358
	104	ALABAMA	3,502,431
	105	RICE	3,499,326
	106	AUBURN	3,335,345
	107	OKLAHOMA STATE	3,092,930
	108	GEORGIA TECH	2,373,548

BEST COPY AVAILABLE

RANK ORDER TABLE 8: OTHER OPERATING EXPENDITURES

Group Ranges (in thousands) are:

1 - 4,000 and over	4 - 2,500-2,999	7 - 1,000-1,499
2 - 3,500-3,999	5 - 2,000-2,499	8 - 500- 999
3 - 3,000-3,499	6 - 1,500-1,999	9 - under 500

Gp	Rank	Institution	Value
1	1	HARVARD	12,561,231
	2	CALIFORNIA, LOS ANGELES	6,554,163
	3	YALE	6,082,800
	4	STANFORD	5,802,413
	5	CORNELL	5,141,412
	6	MICHIGAN	4,844,437
	7	CALIFORNIA, BERKELEY	4,413,262
	8	COLUMBIA	4,233,496
	9	WISCONSIN	4,012,779
2	10	JOHNS HOPKINS	3,955,229
	11	MINNESOTA	3,915,586
	12	WASHINGTON	3,764,387
	13	PENNSYLVANIA	3,565,330
3	14	NEW YORK	3,416,995
	15	TEXAS	3,305,488
4	16	INDIANA	2,975,064
	17	MARYLAND	2,625,459
	18	EMORY	2,569,538
	19	NEW MEXICO	2,536,740
	20	IOWA STATE	2,522,762
	21	DUKE	2,510,111
5	22	OHIO STATE	2,482,607
	23	CHICAGO	2,455,800
	24	PITTSBURGH	2,454,328
	25	ILLINOIS, URBANA	2,405,123
	26	ARIZONA	2,369,585
	27	VIRGINIA	2,338,821
	28	OKLAHOMA STATE	2,322,031
	29	BRITISH COLUMBIA	2,238,190
	30	RUTGERS	2,142,946
	31	UTAH	2,140,196
	32	NORTH CAROLINA	2,098,229
	33	NORTHWESTERN	2,080,613
	34	SOUTHERN CALIFORNIA	2,056,211
	35	BROWN	2,038,418
	36	WAYNE STATE	2,017,613
	37	CONNECTICUT	2,006,487
	38	VANDERBILT	2,002,582
	39	SOUTH CAROLINA	2,002,407
6	40	TEXAS A&M	1,977,665
	41	ARIZONA STATE	1,908,250
	42	PENNSYLVANIA STATE	1,905,368
	43	WASHINGTON U.-ST. LOUIS	1,859,322
	44	MIAMI	1,842,778
	45	GEORGETOWN	1,838,286
	46	BOSTON	1,811,119
	47	CALIFORNIA, SAN DIEGO	1,802,320
	48	CALIFORNIA, SANTA BARBARA	1,764,684
	49	MIT	1,756,844
	50	BRIGHAM YOUNG	1,734,662
	51	TORONTO	1,714,097
	52	PRINCETON	1,676,096
	53	OREGON	1,623,717
	54	IOWA	1,594,982
	55	ILLINOIS, CHICAGO	1,545,702
	56	DARTMOUTH	1,527,261
	57	FLORIDA	1,516,513
	58	TEMPLE	1,511,538
7	59	CALIFORNIA, IRVINE	1,482,464
	60	MISSOURI	1,435,348
	61	TENNESSEE	1,426,301
	62	GEORGIA	1,416,093
	63	MICHIGAN STATE	1,380,863
	64	NORTH CAROLINA STATE	1,374,248
	65	WASHINGTON STATE	1,335,930
	66	KANSAS	1,327,900
	67	SUNY-BUFFALO	1,326,244
	68	PURDUE	1,305,465
	69	RICE	1,262,844
	70	ALBERTA	1,228,275
	71	KENTUCKY	1,219,753
	72	YORK	1,184,066
	73	HOUSTON	1,172,314
	74	CINCINNATI	1,156,150
	75	TULANE	1,138,502
	76	ALABAMA	1,090,791
	77	CALIFORNIA, DAVIS	1,084,165
	78	SYRACUSE	1,064,586
	79	OKLAHOMA	1,033,102
	80	SOUTHERN ILLINOIS	1,009,208
	81	MCGILL	1,008,769
8	82	SUNY-STONY BROOK	991,976
	83	KENT STATE	990,491
	84	ROCHESTER	985,444
	85	NOTRE DAME	981,077
	86	HAWAII	964,910
	87	MANITOBA	962,404
	88	DELAWARE	951,606
	89	COLORADO STATE	936,301
	90	NEBRASKA	908,027
	91	CASE WESTERN RESERVE	843,385
	92	MASSACHUSETTS	832,286
	93	AUBURN	823,881
	94	WESTERN ONTARIO	811,668
	95	COLORADO	809,191
	96	LOUISIANA STATE	752,464
	97	VPI & SU	723,351
	98	SUNY-ALBANY	722,589
	99	HOWARD	689,746
	100	FLORIDA STATE	668,057
	101	LAVAL	664,443
	102	GEORGIA TECH	637,366
	103	CALIFORNIA, RIVERSIDE	606,938
	104	WATERLOO	553,790
9	105	SASKATCHEWAN	499,624
	106	QUEEN'S	481,630
	107	MCMASTER	458,869
	108	GUELPH	450,470

RANK ORDER TABLE 9: TOTAL OPERATING EXPENDITURES

Group Ranges (in thousands) are:

1 - 23,000 and over	5 - 15,000-15,999	8 - 12,000-12,999	11 - 9,000- 9,999
2 - 20,000-22,999	6 - 14,000-14,999	9 - 11,000-11,999	12 - 8,000- 8,999
3 - 17,000-19,999	7 - 13,000-13,999	10 - 10,000-10,999	13 - under 8,000
4 - 16,000-16,999			

Gp	Rank	Institution	Value
1	1	HARVARD	57,978,016
	2	STANFORD	35,801,401
	3	YALE	33,176,000
	4	CALIFORNIA, BERKELEY	32,381,956
	5	TORONTO	30,991,448
	6	CALIFORNIA, LOS ANGELES	29,346,246
	7	CORNELL	28,027,033
	8	MICHIGAN	27,842,689
	9	COLUMBIA	27,158,173
	10	WASHINGTON	24,754,045
	11	MINNESOTA	24,534,429
	12	WISCONSIN	24,065,100
	13	RUTGERS	23,603,845
2	14	TEXAS	22,428,946
	15	NEW YORK	21,042,947
	16	INDIANA	20,831,961
	17	PRINCETON	20,713,519
	18	PENNSYLVANIA STATE	20,339,945
3	19	PENNSYLVANIA	19,827,081
	20	BRITISH COLUMBIA	19,807,345
	21	ILLINOIS, URBANA	19,668,417
	22	NORTH CAROLINA	18,082,240
	23	OHIO STATE	18,021,179
	24	JOHNS HOPKINS	17,923,556
	25	CHICAGO	17,492,376
	26	DUKE	17,346,777
4	27	VIRGINIA	16,391,905
	28	ALBERTA	16,160,087
	29	ARIZONA	16,152,251
	30	ARIZONA STATE	16,106,184
5	31	NORTHWESTERN	15,857,232
	32	PITTSBURGH	15,672,214
	33	CALIFORNIA, SAN DIEGO	15,623,336
	34	SOUTHERN CALIFORNIA	15,478,970
	35	CALIFORNIA, DAVIS	15,231,633
6	36	FLORIDA	14,577,203
	37	EMORY	14,265,332
	38	MARYLAND	14,211,800
	39	GEORGETOWN	14,134,147
	40	IOWA	14,060,389
7	41	MCGILL	13,989,375
	42	GEORGIA	13,593,007
	43	WASHINGTON U -ST. LOUIS	13,524,921
	44	COLORADO	13,501,424
	45	NEW MEXICO	13,391,678
	46	CONNECTICUT	13,257,682
	47	KANSAS	13,130,657
8	48	MICHIGAN STATE	12,956,601
	49	LAVAL	12,903,464
	50	WESTERN ONTARIO	12,568,328
	51	WAYNE STATE	12,532,336
	52	VANDERBILT	12,400,106
	53	TEXAS A&M	12,398,022
	54	ILLINOIS, CHICAGO	12,311,435
	55	MIAMI	12,265,696
	56	CALIFORNIA, IRVINE	12,247,934
	57	YORK	12,175,242
	58	HAWAII	12,107,103
	59	SUNY-BUFFALO	12,092,366
	60	IOWA STATE	12,005,617
9	61	CINCINNATI	11,831,437
	62	MIT	11,703,150
	63	BRIGHAM YOUNG	11,540,081
	64	UTAH	11,458,576
	65	CALIFORNIA, SANTA BARBARA	11,447,525
	66	BROWN	11,215,205
	67	KENTUCKY	11,017,533
10	68	TEMPLE	10,882,911
	69	BOSTON	10,802,180
	70	PURDUE	10,627,758
	71	SOUTH CAROLINA	10,587,879
	72	NORTH CAROLINA STATE	10,413,684
	73	TENNESSEE	10,395,983
	74	SUNY-STONY BROOK	10,374,810
	75	OREGON	10,233,298
	76	DARTMOUTH	10,154,627
11	77	MANITOBA	9,933,876
	78	SYRACUSE	9,876,449
	79	MISSOURI	9,800,337
	80	DELAWARE	9,716,097
	81	HOWARD	9,599,571
	82	QUEEN'S	9,561,802
	83	MCMASTER	9,447,302
	84	VPI & SU	9,350,312
	85	ROCHESTER	9,277,901
	86	MASSACHUSETTS	9,260,118
	87	WATERLOO	9,238,348
	88	WASHINGTON STATE	9,207,768
	89	NEBRASKA	9,194,016
	90	NOTRE DAME	9,037,724
12	91	LOUISIANA STATE	8,966,596
	92	SOUTHERN ILLINOIS	8,956,072
	93	HOUSTON	8,872,227
	94	KENT STATE	8,811,149
	95	TULANE	8,805,861
	96	FLORIDA STATE	8,754,797
	97	CASE WESTERN RESERVE	8,625,221
	98	OKLAHOMA	8,429,979
	99	SASKATCHEWAN	8,389,785
	100	RICE	8,284,248
13	101	ALABAMA	7,937,213
	102	OKLAHOMA STATE	7,892,909
	103	AUBURN	7,817,306
	104	COLORADO STATE	7,769,201
	105	SUNY-ALBANY	7,641,624
	106	CALIFORNIA, RIVERSIDE	7,493,525
	107	GUELPH	7,201,213
	108	GEORGIA TECH	5,327,085

RANK ORDER TABLE 10: MONOGRAPHS PURCHASED (VOLUMES)

The ranges for the groups below are:

1 - 100,000 and over
2 - 90,000-99,999
3 - 80,000-89,999
4 - 70,000-79,999
5 - 60,000-69,999
6- 50,000-59,999
7 - 40,000-49,999
8 - 30,000-39,999
9 - 20,000-29,999
10 - 10,000-19,999
11 - under 10,000

Gp	Rank	Institution	Value
1	1	CALIFORNIA, LOS ANGELES	162,374
	2	TORONTO	148,333
	3	YALE	104,374
3	4	PRINCETON	80,889
4	5	ILLINOIS, URBANA	78,629
	6	CALIFORNIA, DAVIS	77,053
	7	CHICAGO	75,186
5	8	WISCONSIN	67,417
	9	CALIFORNIA, SAN DIEGO	61,887
6	10	BRITISH COLUMBIA	58,591
	11	NORTH CAROLINA	58,308
	12	ALBERTA	54,297
	13	OHIO STATE	52,612
	14	ARIZONA STATE	51,985
	15	ARIZONA	51,506
	16	NEW YORK	51,170
	17	KANSAS	50,287
7	18	VIRGINIA	48,787
	19	TEXAS	47,847
	20	RUTGERS	46,951
	21	COLORADO	45,443
	22	PENNSYLVANIA	45,276
	23	WESTERN ONTARIO	41,730
	24	GEORGIA	40,689
	25	SOUTHERN CALIFORNIA	40,191
8	26	CALIFORNIA, RIVERSIDE	39,730
	27	IOWA	39,198
	28	BRIGHAM YOUNG	39,117
	29	MIAMI	37,145
	30	KENT STATE	37,009
	31	JOHNS HOPKINS	36,754
	32	DUKE	36,173
	33	WASHINGTON	35,292
	34	MICHIGAN STATE	35,192
	35	VANDERBILT	34,142
	36	OREGON	33,358
	37	VPI & SU	32,485
	38	MASSACHUSETTS	32,316
	39	TEXAS A&M	31,460
	40	GEORGETOWN	31,347
	41	DELAWARE	31,012
	42	CINCINNATI	30,142
	43	DARTMOUTH	30,111
9	44	TULANE	29,906
	45	MISSOURI	28,579
	46	CONNECTICUT	27,809
	47	MCGILL	26,606
	48	NEW MEXICO	26,171
	49	AUBURN	26,161
	50	LOUISIANA STATE	25,996
	51	QUEEN'S	25,678
	52	MARYLAND	25,583
	53	RICE	25,572
	54	CALIFORNIA, IRVINE	25,442
	55	MCMASTER	24,933
	56	CALIFORNIA, SANTA BARBARA	24,554
	57	TENNESSEE	24,506
	58	SUNY-BUFFALO	24,396
	59	WASHINGTON U.-ST. LOUIS	24,295
	60	TEMPLE	24,274
	61	BROWN	24,264
	62	HOUSTON	24,133
	63	SOUTH CAROLINA	24,014
	64	FLORIDA	23,813
	65	ALABAMA	22,705
	66	WATERLOO	22,659
	67	ILLINOIS, CHICAGO	22,615
	68	LAVAL	20,800
	69	SASKATCHEWAN	20,794
	70	WAYNE STATE	20,406
	71	NEBRASKA	20,290
	72	ROCHESTER	20,123
10	73	IOWA STATE	19,985
	74	COLORADO STATE	19,121
	75	GUELPH	18,842
	76	WASHINGTON STATE	18,737
	77	MIT	18,585
	78	PURDUE	18,421
	79	SUNY-STONY BROOK	17,990
	80	SOUTHERN ILLINOIS	17,855
	81	OKLAHOMA	17,516
	82	MANITOBA	17,507
	83	SUNY-ALBANY	17,400
	84	BOSTON	16,936
	85	NORTH CAROLINA STATE	16,729
	86	CASE WESTERN RESERVE	15,051
	87	KENTUCKY	14,476
	88	SYRACUSE	14,317
	89	HOWARD	10,987
11	90	OKLAHOMA STATE	8,089
	91	GEORGIA TECH	4,158
		CALIFORNIA, BERKELEY	U/A
		COLUMBIA	U/A
		CORNELL	U/A
		EMORY	U/A
		FLORIDA STATE	U/A
		HARVARD	U/A
		HAWAII	U/A
		INDIANA	U/A
		MICHIGAN	U/A
		MINNESOTA	U/A
		NORTHWESTERN	U/A
		NOTRE DAME	U/A
		PENNSYLVANIA STATE	U/A
		PITTSBURGH	U/A
		STANFORD	U/A
		UTAH	U/A
		YORK	U/A

U/A - Unavailable

RANK ORDER TABLE 11: EXPENDITURES FOR MONOGRAPHS

Group Ranges (in thousands) are:

1 - 4,000 and over
2 - 3,500-3,999
3 - 3,000-3,499
4 - 2,500-2,999
5 - 2,000-2,499
6 - 1,500-1,999
7 - 1,000-1,499
8 - 500- 999
9 - under 500

Gp	Rank	Institution	Value
1	1	HARVARD	5,665,566
	2	STANFORD	5,544,211
2	3	TORONTO	3,959,129
	4	MICHIGAN	3,717,529
	5	CALIFORNIA, LOS ANGELES	3,626,546
	6	PRINCETON	3,559,500
3	7	CALIFORNIA, BERKELEY	3,485,085
	8	CORNELL	3,281,752
	9	COLUMBIA	3,192,906
	10	YALE	3,176,000
4	11	INDIANA	2,823,182
	12	PENNSYLVANIA STATE	2,514,053
5	13	JOHNS HOPKINS	2,479,322
	14	WISCONSIN	2,444,150
	15	ILLINOIS, URBANA	2,362,491
	16	WASHINGTON	2,344,986
	17	NEW YORK	2,298,896
	18	CHICAGO	2,259,366
	19	NORTH CAROLINA	2,253,222
	20	MINNESOTA	2,244,475
	21	DUKE	2,243,072
	22	KANSAS	2,199,330
	23	PENNSYLVANIA	2,198,769
	24	RUTGERS	2,165,690
	25	ARIZONA	2,157,702
	26	BRITISH COLUMBIA	2,148,670
	27	ARIZONA STATE	2,095,716
	28	VIRGINIA	2,028,050
	29	TEXAS	2,027,032
6	30	EMORY	1,945,392
	31	DELAWARE	1,911,798
	32	CONNECTICUT	1,890,888
	33	GEORGETOWN	1,877,473
	34	PITTSBURGH	1,874,503
	35	IOWA	1,787,235
	36	CALIFORNIA, DAVIS	1,762,768
	37	BRIGHAM YOUNG	1,733,798
	38	OHIO STATE	1,710,484
	39	GEORGIA	1,691,769
	40	ALBERTA	1,635,441
	41	MICHIGAN STATE	1,618,487
	42	NORTHWESTERN	1,585,406
	43	COLORADO	1,585,178
	44	BROWN	1,560,685
	45	UTAH	1,548,643
	46	SOUTHERN CALIFORNIA	1,546,638
	47	HAWAII	1,517,252
	48	WESTERN ONTARIO	1,502,127
7	49	MARYLAND	1,385,336
	50	TEXAS A&M	1,382,832
	51	MCGILL	1,359,821
	52	NOTRE DAME	1,352,327
	53	WASHINGTON U.-ST. LOUIS	1,306,992
	54	VANDERBILT	1,295,807
	55	MIAMI	1,272,424
	56	YORK	1,265,010
	57	WAYNE STATE	1,264,152
	58	DARTMOUTH	1,261,080
	59	CALIFORNIA, SANTA BARBARA	1,229,623
	60	CALIFORNIA, SAN DIEGO	1,218,985
	61	TULANE	1,207,039
	62	CALIFORNIA, IRVINE	1,205,482
	63	RICE	1,197,606
	64	OREGON	1,191,958
	65	NORTH CAROLINA STATE	1,184,005
	66	VPI & SU	1,177,481
	67	CINCINNATI	1,136,167
	68	WATERLOO	1,133,284
	69	SUNY-BUFFALO	1,127,001
	70	MASSACHUSETTS	1,120,259
	71	MCMASTER	1,115,534
	72	LAVAL	1,113,704
	73	IOWA STATE	1,109,030
	74	FLORIDA STATE	1,096,908
	75	ILLINOIS, CHICAGO	1,080,484
	76	MISSOURI	1,066,098
	77	QUEEN'S	1,033,025
	78	TENNESSEE	1,013,559
8	79	SASKATCHEWAN	997,799
	80	GUELPH	987,394
	81	TEMPLE	978,617
	82	HOUSTON	967,405
	83	CALIFORNIA, RIVERSIDE	954,332
	84	COLORADO STATE	938,296
	85	NEBRASKA	934,127
	86	SUNY-STONY BROOK	930,896
	87	PURDUE	914,107
	88	AUBURN	900,730
	89	LOUISIANA STATE	898,938
	90	SOUTH CAROLINA	880,590
	91	MIT	865,191
	92	ALABAMA	844,146
	93	OKLAHOMA	842,838
	94	ROCHESTER	840,738
	95	FLORIDA	767,000
	96	KENT STATE	710,929
	97	MANITOBA	702,489
	98	KENTUCKY	699,736
	99	SUNY-ALBANY	682,574
	100	BOSTON	677,902
	101	SOUTHERN ILLINOIS	665,991
	102	SYRACUSE	658,393
	103	NEW MEXICO	642,015
	104	WASHINGTON STATE	623,849
	105	CASE WESTERN RESERVE	561,294
	106	HOWARD	541,389
9	107	GEORGIA TECH	428,378
	108	OKLAHOMA STATE	396,839

RANK ORDER TABLE 12: SERIALS PURCHASED (TITLES)

The ranges for the groups below are:

1 - 30,000 and over
2 - 25,000-29,999
3 - 20,000-24,999
4 - 15,000-19,999
5 - 10,000-14,999
6 - under 10,000

Gp	Rank	Institution	Value
1	1	MINNESOTA	41,665
	2	COLUMBIA	41,595
	3	MICHIGAN	36,872
	4	TORONTO	32,212
2	5	TEXAS	28,991
	6	PRINCETON	27,921
	7	NEW YORK	27,438
	8	INDIANA	27,048
3	9	OHIO STATE	24,122
	10	HOWARD	23,582
	11	VIRGINIA	23,379
	12	HAWAII	23,335
	13	GEORGETOWN	22,866
	14	ARIZONA STATE	22,056
	15	PENNSYLVANIA STATE	21,052
4	16	DELAWARE	19,883
	17	IOWA	19,833
	18	FLORIDA	19,302
	19	KANSAS	18,925
	20	CALIFORNIA, SAN DIEGO	17,867
	21	BRITISH COLUMBIA	17,384
	22	SUNY-BUFFALO	17,278
	23	BOSTON	17,096
	24	NEBRASKA	17,060
	25	MARYLAND	16,912
	26	COLORADO	16,594
	27	OKLAHOMA	16,492
	28	EMORY	16,460
	29	JOHNS HOPKINS	16,266
	30	WAYNE STATE	16,262
	31	DARTMOUTH	16,173
	32	SOUTHERN ILLINOIS	16,112
	33	SUNY-ALBANY	16,039
	34	ALBERTA	15,873
	35	TENNESSEE	15,463
	36	VPI & SU	15,418
	37	CONNECTICUT	15,306
	38	VANDERBILT	15,135
	39	TULANE	15,016
5	40	MIAMI	14,915
	41	ILLINOIS, CHICAGO	14,849
	42	IOWA STATE	14,754
	43	NEW MEXICO	14,741
	44	WATERLOO	14,387
	45	KENTUCKY	14,174
	46	QUEEN'S	14,036
	47	OREGON	13,898
	48	HOUSTON	13,526
	49	BRIGHAM YOUNG	13,511
	50	MICHIGAN STATE	13,449
	51	MCGILL	13,313
	52	WESTERN ONTARIO	12,858
	53	TEXAS A&M	12,831
	54	MISSOURI	12,638
	55	CALIFORNIA, SANTA BARBARA	12,631
	56	CASE WESTERN RESERVE	12,176
	57	PURDUE	12,151
	58	LAVAL	12,023
	59	TEMPLE	11,599
	60	ROCHESTER	11,410
	61	MCMASTER	11,232
	62	RICE	10,753
	63	MASSACHUSETTS	10,692
	64	MANITOBA	10,626
	65	ALABAMA	10,392
	66	AUBURN	10,354
	67	LOUISIANA STATE	10,292
	68	SUNY-STONY BROOK	10,102
6	69	SASKATCHEWAN	9,364
	70	BROWN	9,269
	71	MIT	8,979
	72	COLORADO STATE	8,845
	73	NORTH CAROLINA STATE	8,789
	74	GUELPH	7,946
	75	KENT STATE	7,759
	76	CALIFORNIA, RIVERSIDE	7,487
	77	GEORGIA TECH	5,592
		ARIZONA	U/A
		CALIFORNIA, BERKELEY	U/A
		CALIFORNIA, DAVIS	U/A
		CALIFORNIA, IRVINE	U/A
		CALIFORNIA, LOS ANGELES	U/A
		CHICAGO	U/A
		CINCINNATI	U/A
		CORNELL	U/A
		DUKE	U/A
		FLORIDA STATE	U/A
		GEORGIA	U/A
		HARVARD	U/A
		ILLINOIS, URBANA	U/A
		NORTH CAROLINA	U/A
		NORTHWESTERN	U/A
		NOTRE DAME	U/A
		OKLAHOMA STATE	U/A
		PENNSYLVANIA	U/A
		PITTSBURGH	U/A
		RUTGERS	U/A
		SOUTH CAROLINA	U/A
		SOUTHERN CALIFORNIA	U/A
		STANFORD	U/A
		SYRACUSE	U/A
		UTAH	U/A
		WASHINGTON	U/A
		WASHINGTON STATE	U/A
		WASHINGTON U.-ST. LOUIS	U/A
		WISCONSIN	U/A
		YALE	U/A
		YORK	U/A

U/A - Figure unavailable

RANK ORDER TABLE 13: EXPENDITURES FOR SERIALS

Group Ranges (in thousands) are:

1 - 4,200 and over	4 - 3,300-3,599	7 - 2,400-2,799
2 - 3,900-4,199	5 - 3,000-3,299	8 - 2,100-2,399
3 - 3,600-3,899	6 - 2,700-2,999	9 - 1,800-2,099
		10 - under 1,800

Gp	Rank	Institution	Value
1	1	HARVARD	6,157,125
	2	WASHINGTON	5,596,058
	3	MICHIGAN	5,576,254
	4	CALIFORNIA, BERKELEY	5,339,259
	5	MINNESOTA	5,076,536
	6	STANFORD	4,965,848
	7	COLUMBIA	4,829,292
	8	TORONTO	4,809,885
	9	RUTGERS	4,730,830
	10	OHIO STATE	4,566,227
	11	YALE	4,492,000
	12	CORNELL	4,318,095
	13	PENNSYLVANIA STATE	4,284,614
	14	WISCONSIN	4,200,317
2	15	ILLINOIS, URBANA	4,146,414
	16	CALIFORNIA, LOS ANGELES	4,111,647
3	17	DUKE	3,810,829
	18	TEXAS	3,798,583
	19	NORTH CAROLINA	3,781,034
	20	NEW YORK	3,761,232
	21	SOUTHERN CALIFORNIA	3,697,184
	22	BRITISH COLUMBIA	3,656,513
	23	PENNSYLVANIA	3,651,276
	24	PITTSBURGH	3,610,510
	25	ARIZONA	3,600,885
4	26	CHICAGO	3,592,089
	27	INDIANA	3,506,859
	28	WASHINGTON U.-ST. LOUIS	3,469,882
	29	COLORADO	3,445,236
	30	ARIZONA STATE	3,426,321
	31	GEORGIA	3,352,466
	32	JOHNS HOPKINS	3,347,212
	33	FLORIDA	3,332,851
5	34	VIRGINIA	3,252,935
	35	NORTHWESTERN	3,234,941
	36	CALIFORNIA, SAN DIEGO	3,198,481
	37	CALIFORNIA, DAVIS	3,156,403
	38	MIAMI	3,117,595
	39	CINCINNATI	3,112,121
	40	TEXAS A&M	3,101,607
	41	PURDUE	3,091,795
	42	EMORY	3,082,733
	43	HOWARD	3,071,302
	44	KENTUCKY	3,067,086
	45	ILLINOIS, CHICAGO	3,058,870
	46	NEW MEXICO	3,032,952
	47	IOWA STATE	3,011,199
6	48	VANDERBILT	2,973,878
	49	VPI & SU	2,964,019
	50	MICHIGAN STATE	2,947,989
	51	PRINCETON	2,925,066
	52	ALBERTA	2,924,877
	53	SUNY-STONY BROOK	2,921,293
	54	KANSAS	2,919,756
	55	WESTERN ONTARIO	2,917,381
	56	FLORIDA STATE	2,890,266
	57	ROCHESTER	2,803,487
	58	IOWA	2,795,180
	59	LAVAL	2,770,830
	60	WAYNE STATE	2,763,701
	61	TENNESSEE	2,751,517
	62	BOSTON	2,708,614
	63	CASE WESTERN RESERVE	2,708,168
7	64	SUNY-BUFFALO	2,687,218
	65	MARYLAND	2,649,210
	66	NEBRASKA	2,622,037
	67	OREGON	2,616,853
	68	OKLAHOMA	2,616,021
	69	MISSOURI	2,596,225
	70	TEMPLE	2,559,901
	71	SOUTHERN ILLINOIS	2,555,531
	72	CONNECTICUT	2,548,015
	73	QUEEN'S	2,546,588
	74	MCMASTER	2,539,063
	75	SASKATCHEWAN	2,519,527
	76	CALIFORNIA, IRVINE	2,465,563
	77	MCGILL	2,459,006
	78	AUBURN	2,418,605
	79	GEORGETOWN	2,417,660
8	80	WASHINGTON STATE	2,345,625
	81	DARTMOUTH	2,345,527
	82	HOUSTON	2,330,914
	83	ALABAMA	2,318,715
	84	CALIFORNIA, SANTA BARBARA	2,304,042
	85	MIT	2,302,094
	86	MASSACHUSETTS	2,290,997
	87	TULANE	2,270,209
	88	LOUISIANA STATE	2,253,532
	89	HAWAII	2,240,339
	90	NORTH CAROLINA STATE	2,234,627
	91	DELAWARE	2,185,548
	92	NOTRE DAME	2,180,693
	93	SOUTH CAROLINA	2,174,661
	94	SYRACUSE	2,149,453
	95	BROWN	2,146,009
9	96	WATERLOO	2,086,930
	97	YORK	2,080,557
	98	UTAH	2,065,703
	99	BRIGHAM YOUNG	2,052,692
	100	MANITOBA	1,985,444
	101	COLORADO STATE	1,941,423
	102	SUNY-ALBANY	1,921,207
	103	RICE	1,868,286
	104	OKLAHOMA STATE	1,832,108
10	105	GEORGIA TECH	1,707,521
	106	KENT STATE	1,663,795
	107	CALIFORNIA, RIVERSIDE	1,528,811
	108	GUELPH	1,526,364

RANK ORDER TABLE 14: TOTAL ITEMS LOANED

The ranges for the groups below are:

1 - 55,000 and over
2 - 50,000-54,999
3 - 45,000-49,999
4 - 40,000-44,999
5 - 35,000-39,999
6 - 30,000-34,999
7 - 25,000-29,999
8 - 20,000-24,999
9 - 15,000-19,999
10 - 10,000-14,999
11 - under 9,999

Gp	Rank	Institution	Value
1	1	MINNESOTA	231,760
	2	ILLINOIS, CHICAGO	108,093
	3	WISCONSIN	96,008
	4	WASHINGTON	89,098
	5	CALIFORNIA, LOS ANGELES	77,388
	6	ALBERTA	73,276
	7	INDIANA	66,593
	8	CALIFORNIA, BERKELEY	58,754
	9	ILLINOIS, URBANA	57,606
3	10	CHICAGO	49,238
	11	FLORIDA	46,827
	12	IOWA	45,351
	13	HARVARD	45,245
4	14	CASE WESTERN RESERVE	44,035
	15	VIRGINIA	43,093
5	16	KANSAS	39,535
	17	FLORIDA STATE	39,365
	18	ARIZONA	39,075
	19	SUNY-BUFFALO	37,959
	20	NORTH CAROLINA	37,517
	21	GEORGIA	36,861
	22	MICHIGAN	36,686
	23	SOUTHERN ILLINOIS	36,629
	24	CONNECTICUT	36,263
	25	MISSOURI	36,176
	26	TEXAS A&M	35,405
	27	SUNY-STONY BROOK	35,005
6	28	WAYNE STATE	34,435
	29	COLUMBIA	34,380
	30	DUKE	34,149
	31	NORTH CAROLINA STATE	33,959
	32	TEXAS	33,958
	33	CINCINNATI	33,245
	34	PENNSYLVANIA STATE	33,169
	35	COLORADO STATE	33,084
	36	BRITISH COLUMBIA	32,915
	37	COLORADO	32,235
	38	MIAMI	31,718
	39	CALIFORNIA, DAVIS	31,672
	40	KENTUCKY	31,404
	41	PITTSBURGH	31,247
	42	WASHINGTON U.-ST. LOUIS	30,571
7	43	WASHINGTON STATE	29,765
	44	NORTHWESTERN	29,477
	45	JOHNS HOPKINS	28,099
	46	EMORY	27,450
	47	OKLAHOMA	27,211
	48	OHIO STATE	27,131
	49	UTAH	26,533
8	50	ROCHESTER	24,941
	51	CALIFORNIA, SAN DIEGO	23,940
	52	IOWA STATE	23,111
	53	SUNY-ALBANY	22,994
	54	CALIFORNIA, IRVINE	22,940
	55	MIT	22,740
	56	MCGILL	22,737
	57	LAVAL	22,728
	58	RUTGERS	22,565
	59	PENNSYLVANIA	22,506
	60	MANITOBA	22,070
	61	ARIZONA STATE	22,059
	62	TORONTO	21,996
	63	KENT STATE	21,826
	64	VPI & SU	21,386
	65	MICHIGAN STATE	21,000
	66	CORNELL	20,876
	67	BRIGHAM YOUNG	20,611
	68	SOUTHERN CALIFORNIA	20,548
	69	NEW MEXICO	20,390
9	70	SOUTH CAROLINA	19,682
	71	OKLAHOMA STATE	19,172
	72	PRINCETON	19,058
	73	NEW YORK	19,054
	74	MCMASTER	19,042
	75	TENNESSEE	19,015
	76	OREGON	18,694
	77	AUBURN	18,570
	78	HOUSTON	17,943
	79	MARYLAND	17,854
	80	STANFORD	17,677
	81	NOTRE DAME	17,315
	82	PURDUE	16,847
	83	MASSACHUSETTS	16,813
	84	VANDERBILT	16,184
10	85	TULANE	14,350
	86	DARTMOUTH	14,139
	87	YALE	14,089
	88	TEMPLE	13,403
	89	BOSTON	13,085
	90	GEORGETOWN	12,861
	91	NEBRASKA	12,579
	92	LOUISIANA STATE	12,317
	93	CALIFORNIA, RIVERSIDE	11,983
	94	YORK	11,686
	95	DELAWARE	11,624
	96	ALABAMA	11,489
	97	GEORGIA TECH	11,195
	98	BROWN	10,897
	99	CALIFORNIA, SANTA BARBARA	10,383
	100	WESTERN ONTARIO	10,104
11	101	SASKATCHEWAN	9,884
	102	SYRACUSE	9,457
	103	HAWAII	9,146
	104	QUEEN'S	8,095
	105	WATERLOO	5,995
	106	RICE	5,111
	107	GUELPH	2,364
	108	HOWARD	2,215

RANK ORDER TABLE 15: TOTAL ITEMS BORROWED

The ranges for the groups below are:

1- 22,000 and over
2- 20,000-21,999
3- 18,000-19,999
4- 16,000-17,999
5- 14,000-15,999
6- 12,000-13,999
7- 10,000-11,999
8- 8,000- 9,999
9- 6,000- 7,999
10 - 4,000- 5,999
11 - under 4,000

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	ILLINOIS, CHICAGO	71,840		55	EMORY	12,483
	2	ILLINOIS, URBANA	59,257		56	UTAH	12,212
	3	OHIO STATE	29,884		57	ROCHESTER	12,072
	4	INDIANA	28,096		58	COLORADO	12,052
	5	PENNSYLVANIA	25,689				
	6	OKLAHOMA	23,588	7	59	DUKE	11,969
	7	ALBERTA	22,487		60	IOWA	11,831
	8	CALIFORNIA, SAN DIEGO	22,084		61	CASE WESTERN RESERVE	11,788
					62	YALE	11,565
2	9	NEW YORK	21,668		63	OKLAHOMA STATE	11,549
	10	KENTUCKY	21,615		64	DARTMOUTH	11,370
	11	BRIGHAM YOUNG	20,698		65	CALIFORNIA, DAVIS	11,159
	12	TEXAS A&M	20,450		66	VANDERBILT	11,024
					67	SUNY-BUFFALO	10,853
3	13	WISCONSIN	19,962		68	TULANE	10,842
	14	KENT STATE	19,952		69	PURDUE	10,798
	15	VIRGINIA	19,277		70	NOTRE DAME	10,688
	16	COLORADO STATE	19,163		71	SUNY-ALBANY	10,514
	17	CHICAGO	18,995		72	MANITOBA	10,350
	18	WASHINGTON U -ST LOUIS	18,949		73	STANFORD	10,295
	19	KANSAS	18,936		74	SOUTHERN ILLINOIS	10,246
	20	JOHNS HOPKINS	18,864				
	21	NEW MEXICO	18,842	8	75	SUNY-STONY BROOK	9,196
	22	CALIFORNIA, IRVINE	18,723		76	MARYLAND	9,100
	23	MICHIGAN	18,513		77	MCMASTER	9,027
					78	PRINCETON	9,018
4	24	PENNSYLVANIA STATE	17,960		79	OREGON	8,888
	25	NORTHWESTERN	17,534		80	WASHINGTON	8,653
	26	TEXAS	17,326		81	TEMPLE	8,625
	27	CALIFORNIA, SANTA BARBARA	17,275		82	NORTH CAROLINA	8,611
	28	CALIFORNIA, BERKELEY	17,273		83	ALABAMA	8,491
	29	RUTGERS	16,915		84	LOUISIANA STATE	8,406
	30	CINCINNATI	16,777		85	GEORGIA	8,383
	31	CONNECTICUT	16,021		86	SOUTHERN CALIFORNIA	8,187
					87	QUEEN'S	8,168
5	32	LAVAL	15,878				
	33	TENNESSEE	15,747	9	88	TORONTO	7,779
	34	CORNELL	15,290		89	SYRACUSE	7,692
	35	PITTSBURGH	15,170		90	MASSACHUSETTS	7,567
	36	SOUTH CAROLINA	15,109		91	IOWA STATE	7,529
	37	MINNESOTA	15,003		92	WAYNE STATE	7,513
	38	ARIZONA STATE	14,779		93	BROWN	7,154
	39	MISSOURI	14,737		94	NORTH CAROLINA STATE	7,012
	40	HARVARD	14,683		95	MCGILL	6,834
	41	BRITISH COLUMBIA	14,470		96	GEORGETOWN	6,590
	42	MIAMI	14,170				
	43	MICHIGAN STATE	14,000	10	97	DELAWARE	5,891
					98	MIT	4,822
6	44	HOUSTON	13,845		99	WATERLOO	4,731
	45	FLORIDA STATE	13,642		100	WASHINGTON STATE	4,552
	46	CALIFORNIA, LOS ANGELES	13,600		101	GUELPH	4,006
	47	COLUMBIA	13,520				
	48	NEBRASKA	13,438	11	102	WESTERN ONTARIO	3,756
	49	CALIFORNIA, RIVERSIDE	13,378		103	HAWAII	3,705
	50	VPI & SU	13,211		104	AUBURN	3,698
	51	SASKATCHEWAN	13,070		105	YORK	3,615
	52	BOSTON	12,820		106	RICE	3,594
	53	FLORIDA	12,733		107	GEORGIA TECH	3,537
	54	ARIZONA	12,489		108	HOWARD	1,109

RANK ORDER TABLE 16: PROFESSIONAL STAFF (FTE)

The ranges for the groups below are:

1 - 225 and over	4 - 150-174	7 - 75- 99
2 - 200-224	5 - 125-149	8 - 50- 74
3 - 175-199	6 - 100-124	9 - 25- 49

Gp	Rank	Institution	Value
1	1	HARVARD	390
3	2	YALE	189
	3	COLUMBIA	176
4	4	TORONTO	166
	5	STANFORD	163
	6	CALIFORNIA, BERKELEY	152
5	7	ILLINOIS, URBANA	147
	7	WISCONSIN	147
	9	TEXAS	143
	10	INDIANA	140
	11	WASHINGTON	136
	12	NEW YORK	135
	13	CORNELL	131
	14	MICHIGAN	129
	15	PENNSYLVANIA STATE	125
6	16	CALIFORNIA, LOS ANGELES	123
	17	NORTH CAROLINA	122
	18	PRINCETON	115
	19	OHIO STATE	113
	20	RUTGERS	111
	21	ARIZONA STATE	110
	21	NORTHWESTERN	110
	21	PENNSYLVANIA	110
	24	CALIFORNIA, SAN DIEGO	108
	24	MINNESOTA	108
	26	DUKE	106
	27	FLORIDA	105
	28	BRITISH COLUMBIA	103
	28	KANSAS	103
	30	SOUTHERN CALIFORNIA	102
	31	PITTSBURGH	100
7	32	IOWA	95
	33	BRIGHAM YOUNG	94
	34	ARIZONA	93
	34	VIRGINIA	93
	36	SUNY-BUFFALO	92
	37	MIT	87
	38	JOHNS HOPKINS	86
	38	MARYLAND	86
	40	VANDERBILT	83
	41	GEORGIA	82
	41	WASHINGTON U.-ST. LOUIS	82
	43	NEW MEXICO	81
	44	BROWN	80
	44	GEORGETOWN	80
	44	MCGILL	80
	44	WAYNE STATE	80
	48	CHICAGO	78
	48	MIAMI	78
	50	SYRACUSE	75
	50	TEXAS A&M	75
8	52	HOWARD	74
	53	ALBERTA	72
	53	TEMPLE	72
	55	EMORY	71
	55	ILLINOIS, CHICAGO	71
	57	CALIFORNIA, DAVIS	70
	58	CINCINNATI	69
	58	KENTUCKY	69
	58	SOUTH CAROLINA	69
	61	LAVAL	68
	62	CONNECTICUT	66
	62	UTAH	66
	64	ROCHESTER	64
	65	ALABAMA	63
	65	CASE WESTERN RESERVE	63
	65	HAWAII	63
	68	TENNESSEE	62
	69	MICHIGAN STATE	61
	70	BOSTON	60
	71	COLORADO	59
	71	PURDUE	59
	73	MISSOURI	57
	74	CALIFORNIA, SANTA BARBARA	56
	74	FLORIDA STATE	56
	74	YORK	56
	77	MANITOBA	55
	78	CALIFORNIA, IRVINE	54
	78	NEBRASKA	54
	78	TULANE	54
	81	KENT STATE	53
	82	DARTMOUTH	52
	82	LOUISIANA STATE	52
	82	NORTH CAROLINA STATE	52
	85	AUBURN	51
	85	DELAWARE	51
	85	OREGON	51
	88	MASSACHUSETTS	50
	88	OKLAHOMA	50
	88	OKLAHOMA STATE	50
	88	RICE	50
9	92	SUNY-ALBANY	49
	92	SUNY-STONY BROOK	49
	94	QUEEN'S	46
	94	WESTERN ONTARIO	46
	96	WASHINGTON STATE	45
	97	GEORGIA TECH	44
	97	HOUSTON	44
	97	IOWA STATE	44
	97	WATERLOO	44
	101	NOTRE DAME	43
	101	SOUTHERN ILLINOIS	43
	101	VPI & SU	43
	104	CALIFORNIA, RIVERSIDE	40
	104	COLORADO STATE	40
	106	SASKATCHEWAN	39
	107	MCMASTER	37
	108	GUELPH	27

RANK ORDER TABLE 17: SUPPORT STAFF (FTE)

The ranges for the groups below are:

1 - 400 and over
2 - 360-399
3 - 320-359
4 - 280-319
5 - 240-279
6 - 200-239
7 - 160-199
8 - 120-159
9 - 80-119
10 - under 80

Gp	Rank	Institution	Value
1	1	HARVARD	587
2	2	TORONTO	399
	3	TEXAS	397
4	4	YALE	309
	5	COLUMBIA	307
	6	PENNSYLVANIA STATE	305
	7	CORNELL	299
	8	STANFORD	298
5	9	MICHIGAN	279
	10	CALIFORNIA, BERKELEY	275
	11	CALIFORNIA, LOS ANGELES	259
	12	BRITISH COLUMBIA	255
	13	RUTGERS	252
	14	ALBERTA	241
6	15	WASHINGTON	239
	16	ILLINOIS, URBANA	238
	17	CHICAGO	224
	18	PRINCETON	222
	19	WISCONSIN	210
	20	NORTH CAROLINA	209
7	21	ARIZONA STATE	199
	21	MCGILL	199
	23	NEW YORK	195
	24	FLORIDA	194
	25	CALIFORNIA, DAVIS	193
	25	MINNESOTA	193
	27	LAVAL	189
	28	INDIANA	186
	28	JOHNS HOPKINS	186
	28	OHIO STATE	186
	28	VIRGINIA	186
	32	CALIFORNIA, SAN DIEGO	183
	33	WESTERN ONTARIO	181
	34	PENNSYLVANIA	178
	35	PITTSBURGH	175
	36	GEORGIA	173
	37	DUKE	172
	38	ARIZONA	168
	39	ILLINOIS, CHICAGO	163
8	40	TEXAS A&M	159
	41	WASHINGTON U -ST LOUIS	153
	42	UTAH	149
	43	NEW MEXICO	148
	43	YORK	148
	45	MANITOBA	145
	45	NOTRE DAME	145
	47	PURDUE	144
	48	CALIFORNIA, SANTA BARBARA	141
	48	MCMASTER	141
	50	EMORY	140
	51	NORTHWESTERN	139
	52	QUEEN'S	137
	52	SYRACUSE	137
	54	TENNESSEE	135
	55	BOSTON	132
	55	GEORGETOWN	132
	55	MIAMI	132
	55	VANDERBILT	132
	59	MISSOURI	131
	60	MARYLAND	130
	61	SASKATCHEWAN	128
	62	WATERLOO	127
	63	SOUTHERN CALIFORNIA	126
	64	FLORIDA STATE	125
	65	KANSAS	123
	65	MIT	123
	67	CINCINNATI	122
	68	KENTUCKY	120
9	69	GUELPH	119
	69	HOWARD	119
	71	COLORADO	118
	71	NORTH CAROLINA STATE	118
	73	NEBRASKA	116
	73	SOUTH CAROLINA	116
	75	DELAWARE	113
	76	CALIFORNIA, IRVINE	112
	76	TEMPLE	112
	78	MICHIGAN STATE	111
	79	IOWA	110
	80	IOWA STATE	108
	81	KENT STATE	107
	82	SUNY-BUFFALO	105
	83	DARTMOUTH	104
	83	MASSACHUSETTS	104
	83	SUNY-STONY BROOK	104
	86	BROWN	103
	86	WASHINGTON STATE	103
	88	HAWAII	102
	88	WAYNE STATE	102
	90	TULANE	100
	91	ROCHESTER	98
	92	AUBURN	97
	93	VPI & SU	96
	94	HOUSTON	95
	94	LOUISIANA STATE	95
	96	CONNECTICUT	94
	97	OREGON	92
	98	CALIFORNIA, RIVERSIDE	88
	99	CASE WESTERN RESERVE	87
	99	SOUTHERN ILLINOIS	87
	101	SUNY-ALBANY	86
10	102	OKLAHOMA	79
	103	COLORADO STATE	75
	104	ALABAMA	73
	105	RICE	72
	106	OKLAHOMA STATE	66
	107	GEORGIA TECH	52
	108	BRIGHAM YOUNG	46

RANK ORDER TABLE 18: TOTAL STAFF (FTE)

The ranges for the groups below are:

1 - 700 and over	4 - 550-599	7 - 400-449	10 - 250-299
2 - 650-699	5 - 500-549	8 - 350-399	11 - 200-249
3 - 600-649	6 - 450-499	9 - 300-349	12 - under 200

Gp	Rank	Institution	Value
1	1	HARVARD	1,129
	2	CALIFORNIA, BERKELEY	758
3	3	TORONTO	646
	4	TEXAS	627
	5	STANFORD	606
	6	COLUMBIA	604
4	7	YALE	590
	8	CORNELL	585
	9	MICHIGAN	571
5	10	CALIFORNIA, LOS ANGELES	527
	11	WISCONSIN	519
	12	WASHINGTON	512
	13	PENNSYLVANIA STATE	507
6	14	ILLINOIS, URBANA	493
	15	INDIANA	474
	16	RUTGERS	469
	17	MINNESOTA	458
7	18	NEW YORK	434
	19	OHIO STATE	431
	20	NORTH CAROLINA	415
	21	BRITISH COLUMBIA	410
	22	FLORIDA	402
8	23	PRINCETON	389
	24	CHICAGO	384
	25	PENNSYLVANIA	378
	26	PITTSBURGH	369
	27	CALIFORNIA, SAN DIEGO	367
	28	ARIZONA STATE	361
	29	ARIZONA	359
	30	DUKE	358
	31	TEXAS A&M	355
	32	VIRGINIA	352
	33	ALBERTA	350
9	34	NORTHWESTERN	343
	35	MARYLAND	336
	36	GEORGIA	335
	37	CALIFORNIA, DAVIS	324
	38	KANSAS	321
	38	MCGILL	321
	40	JOHNS HOPKINS	319
	41	NEW MEXICO	311
	41	SOUTHERN CALIFORNIA	311
	43	UTAH	304
	44	KENTUCKY	302
10	45	WASHINGTON U.-ST. LOUIS	293
	46	BRIGHAM YOUNG	291
	47	MICHIGAN STATE	289
	48	IOWA	283
	49	VANDERBILT	279
	50	GEORGETOWN	273
	51	CINCINNATI	272
	52	ILLINOIS, CHICAGO	265
	52	LAVAL	265
	54	SUNY-BUFFALO	263
	55	WESTERN ONTARIO	262
	56	PURDUE	261
	57	YORK	258
	58	EMORY	257
	58	MIAMI	257
	60	SYRACUSE	256
	61	BROWN	255
	61	TENNESSEE	255
	63	WAYNE STATE	252
	64	BOSTON	250
11	65	MISSOURI	248
	66	HAWAII	246
	67	COLORADO	241
	68	CALIFORNIA, SANTA BARBARA	240
	68	FLORIDA STATE	240
	70	TEMPLE	239
	71	MIT	236
	72	SOUTH CAROLINA	234
	73	CONNECTICUT	232
	74	NORTH CAROLINA STATE	229
	75	KENT STATE	228
	76	MANITOBA	222
	77	CALIFORNIA, IRVINE	219
	77	NEBRASKA	219
	79	DELAWARE	218
	79	LOUISIANA STATE	218
	81	OREGON	217
	82	NOTRE DAME	214
	82	ROCHESTER	214
	82	SOUTHERN ILLINOIS	214
	85	HOWARD	211
	86	IOWA STATE	208
	87	HOUSTON	207
	88	SUNY-STONY BROOK	206
	89	QUEEN'S	205
12	90	AUBURN	196
	91	TULANE	195
	92	VPI & SU	194
	93	OKLAHOMA	193
	94	MCMASTER	192
	95	MASSACHUSETTS	191
	96	ALABAMA	188
	96	WASHINGTON STATE	188
	98	CASE WESTERN RESERVE	187
	99	DARTMOUTH	184
	100	OKLAHOMA STATE	183
	101	SASKATCHEWAN	181
	102	SUNY-ALBANY	175
	102	WATERLOO	175
	104	CALIFORNIA, RIVERSIDE	171
	105	GUELPH	155
	106	COLORADO STATE	153
	107	RICE	142
	108	GEORGIA TECH	111

ARL STATISTICS, 1992-93

Instructions for Completing the Questionnaire

1. Please enter your data on the ARL Statistics System diskette. The printed copy of the questionnaire is a worksheet provided for your convenience. Be sure to read the "ARL Statistics System Documentation as well as these Instructions before beginning to input data.

2. Definitions of the statistical categories used in this questionnaire can be found in *American National Standard for Library and Information Sciences and Related Publishing Practices - Library Statistics. Z39.7-1983.* (New York, American National Standards Institute, 1983.)

3. The questionnaire assumes a fiscal year ending June 30, 1993. If your fiscal year is different, please provide a footnote in the "Footnotes" section of the questionnaire.

4. **Please do not use decimals.** All figures should be rounded to the nearest whole number.

5. **Please do not leave any lines blank.** If an exact figure is unavailable, use **U/A**. If a question is not applicable to your library, use **N/A**. If the appropriate answer is zero or none, use **0**.

6. In a university that includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS) defines a **branch campus** as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please explain in the "Footnotes" section of the questionnaire.

7. A **branch library** is defined as an auxiliary library service outlet with quarters separate from the central library of a system, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.

8. **Questions 1a-f. Collections.** Use the ANSI Z39.7-1983 definition for **volume** as follows:

> *a physical unit of any printed, typewritten, handwritten, mimeographed, or processed work, contained in one binding or portfolio, hardbound or paperbound, that has been cataloged, classified, and made ready for use.*

Include duplicates and bound volumes of periodicals. For purposes of this questionnaire, unclassified bound serials arranged in alphabetical order are considered classified. Exclude microforms, maps, nonprint materials, and uncataloged items. If any of these items cannot be excluded, please provide an explanatory footnote in the "Footnotes" section of the questionnaire.

Include government document volumes that are accessible through the library's catalogs regardless of whether they are separately shelved. "Classified" includes documents arranged by Superintendent of Documents, CODOC, or similar numbers. "Cataloged" includes documents for which records are provided by the library or downloaded from other sources into the library's card or online catalogs. Documents should, to the extent possible, be counted as they would if they were in bound volumes (e.g., 12 issues of an annual serial would be one or two volumes). Title and piece counts should not be considered the same as volume counts. If a volume count has not been kept, it may be estimated through sampling a representative group of title records and determining the corresponding number of volumes, then extrapolating to the rest of the collection. As an alternative, an estimate may be made using the following formulae:

52 documents pieces per foot
10 "traditional" volumes per foot
5.2 documents pieces per volume

If either formulas or sampling are used for deriving your count, please indicate in a footnote.

9. **Question 1b. Volumes Added**. Include only volumes cataloged, classified, and made ready for use. Include government documents if they have been included in the count of volumes on line 1a.

10. **Question 1f. Monographic Volumes Purchased** Report number of volumes purchased. Include all volumes for which an expenditure was made during 1992-93, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. If only number of titles purchased can be reported, please report the data and provide an explanatory footnote in the "Footnotes" section of the questionnaire. **Note:** This question is concerned with volumes purchased rather than volumes received or cataloged. Question 5a requests the expenditure for the volumes counted here.

11. **Questions 2a-c. Serials.** Report the total number of subscriptions, not titles. Include duplicate subscriptions and, to the extent possible, all government document serials even if housed in a separate documents collection. Verify the inclusion or exclusion of document serials in the "Footnotes" section of the questionnaire. Exclude monographic and publishers' series. A **serial** is

> *a publication issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies.*

12. **Question 2b. Serials: Not Purchased.** If separate counts of nonpurchased and purchased serials are not available, report only the total number of current serials received on line 2c, and report **U/A** for lines 2a and 2b.

13. **Question 3a. Government documents.** Report the total number of physical units (pieces) of government documents in paper format that have not already been counted in any of the above categories. Include local, state, national, and international documents; include documents purchased from a commercial source if shelved with separate documents collections and not counted above. Include serials and monographs. To estimate pieces from a measurement of linear feet, use the formula *1 foot = 52 pieces* and indicate in a footnote that the count is based on this estimate. Exclude microforms and nonprint formats such as maps or CD-ROMs.

14. **Question 3b. Microforms.** Report the total number of physical units: reels of microfilm, microcards, and microprint and microfiche sheets. Include all government documents in microform; provide a footnote in the "Foot notes" section of the questionnaire if documents are excluded.

15. **Question 3c. Computer files**. Include the number of pieces of computer-readable disks, tapes, CD-ROMs, and similar machine-readable files comprising data or programs that are **locally held as part of the library's collections** available to library clients. Examples are U.S. Census data tapes, sample research software, locally-mounted databases, and reference tools on CD-ROM, tape or disk. Exclude bibliographic records used to manage the collection (i.e. the library's own catalog in machine-readable form), library system software, and microcomputer software used only by the library staff.

16. **Questions 3d. Manuscripts and archives**. Include both manuscripts and archives measured in linear feet.

17. **Question 3e. Cartographic materials**. Include the numbers of pieces of two- and three-dimensional maps and globes. Include satellite and aerial photographs and images.

18. **Question 3f. Graphic materials**. Include the number of pieces of prints, pictures, photographs, postcards, slides, transparencies, film strips, and the like.

19. **Question 3g. Audio materials**. Include the number of pieces of audio cassettes, phonodiscs, audio compact discs, reel-to-reel tapes, and other sound recordings.

20. **Question 3h. Film and video materials**. Include the number of pieces of motion pictures, video cassettes, video laser discs, and similar visual materials.

21. **Questions 4a-d. Personnel.** Report the number of staff in filled positions, or positions that are only temporarily vacant. Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff. If such staff cannot be included, provide a footnote in the "Footnotes" section of the questionnaire. To compute full-time equivalents of part-time employees and student assistants, take the total number of hours worked by part-time employees in each category and divide it by the number of hours considered by the reporting library to be a full-time work week. **Round figures to the nearest whole numbers.**

22. **Question 4a. Professional Staff**. Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, for example computer experts, systems analysts, or budget officers.

23. **Question 4c. Student Assistants**. Report the total FTE (see instruction 21) of student assistants employed on an hourly basis whose wages are paid from funds under library control or from a budget other than the library's, including federal work-study programs. Exclude maintenance and custodial staff.

24. **Questions 5-9. Expenditures.** Report all expenditures of funds that come to the library from the regular institutional budget, and from sources such as research grants, special projects, gifts and endowments, and fees for service. (For question 7d include non-library funds; see instruction #31) Do not report encumbrances of funds that have not yet been expended. **Canadian libraries should report expenditures in Canadian dollars**. (To determine figures in U.S. dollars, divide Canadian dollar amounts by 1.2488, the average monthly noon exchange rate published in the Bank of Canada *Review* for the period July 1992-June 1993.) **Please round figures to the nearest dollar.**

25. **Question 5a. Monographs**. Report expenditures for volumes counted on line 1f.

26. **Question 5b. Current Serials**. Exclude monographic and publishers' series, and encumbrances.

27. **Question 5c. Other library materials**. Include all materials except monographs and current serials, e.g. microforms, backfiles of serials, charts and maps, audiovisual materials, manuscripts, electronic media, etc. If expenditures for these materials are included in lines 5a and/or 5b and cannot be disaggregated, please report U/A and provide a footnote in the"Footnotes" section of the questionnaire. Do not include encumbrances.

28. **Question 5d. Miscellaneous expenditures**. Include any other **materials funds expenditures** not included in questions 5a-c, e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the purposes of publications, etc. Please list categories, with amounts, in a footnote in the "Footnotes" section of the questionnaire. **Note:** If your library does not use materials funds for non-materials expenditures -- i.e., such expenditures are included in "Other Operating Expenditures" -- **report 0, not U/A**, on line 5d.

29. **Question 6. Contract Binding**. Include only contract expenditures for binding done outside the library. If all binding is done in-house, state this fact and give in-house expenditures in a footnote in the "Footnotes" section of the questionnaire; do not include personnel expenditures.

30. **Questions 7a-d. Salaries and wages**. Exclude fringe benefits. If professional and support staff salaries cannot be separated, enter U/A on lines 7a and 7b and enter total staff on line 7d.

31. **Questions 7c-d. Salaries and wages: Student Assistants**. Report 100% of student wages regardless of budgetary source of funds. Include federal and local funds for work study students.

32. **Question 8. Other operating expenditures**. Exclude expenditures for buildings, maintenance, and fringe benefits.

33. **Questions 10a-b. Interlibrary Loan.** Report the number of filled requests for material provided to other libraries on line 10a. Report the number of filled requests for material received from other libraries or document delivery services on line 10b. On both lines, include originals, photocopies, and materials sent by telefacsimile or other forms of electronic transmission. Do not include transactions between libraries covered by this questionnaire.

34. **Questions 11a-b. Ph.D. Degrees.** Report the number awarded during the 1992-93 fiscal year. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not included in this survey. If you are unable to provide a figure for Ph.D.s only, please add a footnote in the "Footnotes" section of the questionnaire.

35. **Question 11b. Ph.D. Fields**. For the purposes of this report, Ph.D. fields are defined as the specific discipline specialties enumerated in the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey. Although the IPEDS form requests figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions should be footnoted in the "Footnotes" section of the questionnaire.

36. **Questions 12a-d. Enrollment**. U.S. libraries should use the Fall 1992 enrollment figures reported to the Department of Education on the form entitled "Integrated Postsecondary Education Data System, Fall Enrollment 1992." The line and column numbers on the IPEDS form for each category are noted on the questionnaire. Please check these figures against the enrollment figures reported to ARL last year to ensure consistency and accuracy. **Note:** In the past, the number of part-time students reported was FTE; the number now reported to IPEDS is a head count of part-time students. Canadian libraries should note that the category "graduate students" as reported here includes all post-baccalaureate students.

37. **Question 13. Instructional Faculty.** Instructional faculty are defined by the U.S. Dept. of Education as

> *those members of the instruction/research staff who are employed full-time as defined by the institution, including faculty with released time for research and faculty on sabbatical leave. Full-time counts exclude faculty who are employed to teach fewer than two semesters, three quarters, two trimesters, or two four-month sessions; replacements for faculty on sabbatical leave or leave without pay; faculty for preclinical and clinical medicine; faculty who are donating their services; faculty who are members of military organizations and paid on a different pay scale from civilian employees; academic officers, whose primary duties are administrative; and graduate students who assist in the instruction of courses."*

Please be sure the number reported, and the basis for counting, are consistent with those for 1991-92 (unless in previous years faculty were counted who should have been excluded according to the above definition). Please footnote any discrepancies.

38. **Footnotes.** Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries (see instruction #6 for definition of branch campus libraries). Explanatory footnotes will be included with the published statistics. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly. For your convenience, your footnotes from the 1991-92 *ARL Statistics* are included in the printed copy of the questionnaire as well as on the ARL Statistics System diskette. **Please update these notes, delete them, or indicate that they remain valid.** Note that the number in parentheses refers to the appropriate column on the Library Data Tables in the published *ARL Statistics*, not to a line number on the questionnaire.

39. Return the ARL Statistics System diskette to the ARL Office by **October 15, 1993,** and retain the worksheet and a backup copy of the diskette for your records. If there are any questions about the procedure to be followed in completing these questionnaires, contact the ARL Office.

ASSOCIATION OF RESEARCH LIBRARIES

ARL STATISTICS QUESTIONNAIRE, 1992-93

Please do not leave any lines blank. If an exact figure is unavailable, use "U/A." If a question is not applicable to your library, use "N/A." If the appropriate answer is zero or none, use "0".

Reporting Institution _____ Date Returned to ARL _____
Questionnaire Completed by (Name) _____
Position _____ Phone _____
Contact Person (if different) _____
Position _____ Phone _____

COLLECTIONS *(See instructions 8-20)*

1. Volumes in Library:

   a. Volumes held June 30, 1992 *(See instruction 8)* _____
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.
   Record figure reported last year or footnote adjusted figure on p. 4.)

   b. Volumes added during year -- Gross *(See instruction 9)* _____
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.)

   c. Volumes withdrawn during year _____
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.)

   d. Volumes added during year -- Net (Subtract line 1c from line 1b) _____

   e. Volumes held June 30, 1993 (Add line 1a to line 1d) _____

   f. Number of monographic volumes purchased *(See instruction 10)* _____
   (Volumes for which expenditures are reported on line 5a. Footnote if titles.)

2. Serials:

   a. Number of current serials, including periodicals, purchased _____
   (See instruction 11)

   b. Number of current serials, including periodicals, received but not purchased (Exchanges, gifts, deposits, etc.) *(See instructions 11-12)* _____

   c. Total number of current serials received (Add line 2a to line 2b) _____
   (See instructions 11-12)

3. Other Library Materials. Total number of pieces held June 30, 1993:

   a. Government documents not counted above *(See instruction 13)* _____

   b. Microform units *(See instruction 14)* _____

   c. Computer files *(See instruction 15)* _____

   d. Manuscripts and archives (linear ft.) *(See instruction 16)* _____

21 Dupont Circle, Washington, D.C. 20036
202 296 2296 FAX 202 872 0884

COLLECTIONS (cont.)

Audiovisual materials:

e. Cartographic _____ *(See instruction 17)*

f. Graphic _____ *(See instruction 18)*

g. Audio _____ *(See instruction 19)*

h. Film and Video _____ *(See instruciton 20)*

PERSONNEL *(See instructions 21-23. Round figures to nearest whole number.)*

4. a. Professional staff, FTE *(See instruction 22)* _____

b. Nonprofessional staff, FTE _____

c. Student assistants, FTE *(See instruction 23)* _____

d. Total FTE staff (Add lines 4a, 4b, 4c) _____

EXPENDITURES *(See instructions 24-32)* Reported in Canadian dollars? Yes _____ No _____

5. Library Materials:

a. Monographs (Expenditures for volumes reported on line 1f) *(See instruction 25)* _____

b. Current serials including periodicals *(See instruction 26)* _____

c. Other library materials (e.g., microforms, a/v, etc.) *(See instruction 27)* _____

d. Miscellaneous (All materials fund expenditures not included above) *(See instruction 28)* _____

e. Total library materials (Add lines 5a, 5b, 5c, 5d) _____

6. Contract binding *(See instruction 29)* _____ _____

7. Salaries and wages *(See instructions 30-31)*

a. Professional staff *(See instruction 30)* _____

b. Nonprofessional staff *(See instruction 30)* _____

c. Student assistants *(See instruction 31)* _____

d. Total salaries and wages (Add lines 7a, 7b, 7c) *(See instruction 30)* _____

8. Other operating expenditures *(See instruction 32)* _____

9. Total library expenditures (Add lines 5e, 6, 7d, 8) _____

INTERLIBRARY LOANS *(See instruction 33)*

10 a. Total number of filled requests for materials provided to other libraries _____

b. Total number of filled requests for materials received from other libraries _____

PH.D. DEGREES *(See instructions 34-35)*

11 a. Number of Ph.D.s awarded in FY1992-93 *(See instruction 34)*

b. Number of fields in which Ph.D.s can be awarded *(See instruction 35)* _____

ENROLLMENT -- FALL 1992 (TOTALS) *(See instruction 36; line numbers refer to IPEDS survey form)*

12. a. Full-time students (Add line 8, columns 15 & 16, and line 14, cols. 15 & 16) _____

b. Part-time students (Add line 22, columns 15 & 16, and line 28, cols. 15 & 16) _____

c. Full-time graduate students (Line 14, columns 15 & 16) _____

d. Part-time graduate students (Line 28, columns 15 & 16) _____

FACULTY *(See instruction 37)*

13. Number of full-time instructional faculty in FY1992-93

FOOTNOTES

(See instruction 38. Compare footnotes from previous year as they appear in the published ARL Statistics and revise as appropriate. For your convenience, a copy of your library's footnotes from last year is given on p. 4 of this questionnaire.)

14. Basis of volume count is: _____ Physical _____ Bibliographic

15. Government document are included in count of Current Serials: _____ Yes _____ No

16. Fringe benefits are included in expenditures for salaries and wages *(See instruction 30)* _____ Yes _____ No

17. Law Library statistics are included: _____ Yes _____ No _____ We do not have a Law Library

18 Medical Library statistics are included: _____ Yes _____ No _____ We do not have a Medical Library

19. Other main campus libraries not included: (list in "Footnotes" on page 4)

20. Branch Campus Libraries. *(See instruction 6)*

Figures include branch CAMPUS libraries: ____ Yes _____ No _____ We have only one campus

If branch campus libraries are included, please specify which campuses in "Footnotes" on page 4.

If branch campus libraries are not included, please specify which campuses in "Footnotes" on page 4.

21. Footnotes as published in the 1991-92 ARL Statistics.

(Please indicate revisions, additions, and deletions as appropriate. If any footnotes published last year are unchanged, please mark to indicate that they are still valid. Note: number in ( ) refers to the column in Library Data Tables in 1991-92 *ARL Statistics*. New footnotes should refer to the appropriate line number on the questionnaire.)

PLEASE RETURN COMPLETED SURVEY DISKETTE TO THE ARL OFFICE BY OCTOBER 15, 1993.

Association of Research Libraries, 21 Dupont Circle, Suite 800, Washington, D.C. 20036. (202) 296-2296; Fax (202) 872-0884. Please call Nicola Daval (nicky@cni.org) or Patricia Brennan (tricia@cni.org) for assistance with the questionnaire.

FOOTNOTES TO THE ARL STATISTICS, 1992-93

Footnotes may also include errata and corrections to 1991-92 data not previously reported. Numbers in parentheses refer to columns in Library Data Tables and not to Questionnaire numbers or rank tables.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
ALABAMA		All figures are as of September 30, 1993.
	I, 1	Excludes government documents.
	I, 8	Includes government documents microforms.
	I, 9	Government documents are not yet included in the online catalog.
	II, 3	Includes Law, Health Sciences, and Map Libraries only; Gorgas Library (main) and branches do not separate expenditures for audiovisual materials and microforms.
	II, 4	Center for Research Libraries membership.
	II, 11	Includes bibliographic utilities, memberships (except CRL), and literature searching.
ALBERTA		All figures are as of March 31, 1993.
		Includes Faculte St. Jean, books from Map Collection, and Data Library. Excludes St. Joseph's College Library, University of Alberta Hospital School of Nursing, and departmental reading rooms.
	I, 2-3	In 1992-93, the Library assumed responsibility for the Faculte St. Jean Centre du Documentation and the William Wonders Map Collection. These holdings are included in the Volumes Added count.
	I, 6	Includes government documents.
	II, 1-2	Figures from base budget. Outside-funded expenditures (trust funds, endowments and other special funds) were monographs, Can $167,523; and serials Can $136,647.
	II, 3	Included in Monographs Expenditures II, 1 and Serials Expenditures II, 2.
	II, 4	Includes postage expenditures.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $2,042,339; (2) $3,652,587; (3) $0; (4) $117,576; (5) $5,812,501; (6) $173,467; (7) $4,317,310; (8) $7,708,888; (9) $634, 680; (10) $12,660,878; (11) $1,533,869; (12) $20,180,715.
ARIZONA	I, 1	Includes government documents.
	I, 2	Includes Architecture Library.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
ARIZONA (cont'd)	I, 5-7	Figures for Health Sciences Library are unavailable. Includes government document serials.
	II, 11	Includes automation expenditures.
		Full time faculty figure is estimated.
ARIZONA STATE		Includes University Media Systems and Arizona State University West Campus.
	I, 1-4	Includes Arizona and U.N. documents (cataloged). Federal documents (uncataloged) are reported in Government Documents.
	I, 6-7	Includes government documents serials received but not purchased.
	I, 8	Excludes government documents microforms.
	I, 9	Includes Federal documents only. Arizona and U.N. documents are reported in Volumes in Library (I, 1).
	II, 1-2	Includes all formats; acquisitions cannot disaggregate microforms A/V, etc. from total expenditures.
AUBURN		All figures are as of September 30, 1993.
	I, 1	Includes 269,239 cataloged government documents.
	I, 2	Includes 22,903 cataloged government documents.
	II, 9	Includes $61,719 from Federal Work-Study Program.
	II, 11-12	Auburn abandoned the practice of separate computer center support allocation to the Library and other campus units at the end of the FY1991-92. Figures for Other Operating Expenditures and Total Library Expenditures reflect reflect this reduction of approximateley $2.9 million.
BOSTON		Includes the Theology Library.
	I, 3-5,8	Government documents are included, except for Law Library documents.
	I, 9	Figure represents Law Library government documents only.
BOSTON PUBLIC LIBRARY		Includes main and branch libraries.
	I, 1	Excludes patents (9,806,170) and prints (1,219,560).
	I, 1-3, 5-7	Excludes government documents.
	I, 3	Figure represents 86,545 volumes withdrawn from the circulating collection.
BRIGHAM YOUNG		All figures are as of August 31, 1993.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
BRIGHAM YOUNG (cont'd)	I, 1-3, 5-8	Government documents are included.
BRITISH COLUMBIA	I-II	Figures are as of March 31, 1993.
	I-II, III, 3-6	Includes for the first time departmental reading rooms whose holdings are cataloged, classified, and available for general use by Library patrons.
	II, 3	Included in Monographs Expenditures (I, 1).
	III, 3-6	Includes: Operating Budget, 397 FTE; Grants, 4 FTE; Cost Recovery, 6 FTE; and Projects, 3 FTE.
	III, 3	Excludes 4 professional staff early retirement positions for which both the positions and the salaries have been removed from the Library budget.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $2,683,259; (2) $4,566,253; (3) U/A; (4)$0; (5) $7,249,512; (6) $273,666; (7) $5,610,373; (8) $7,489,145; (9) $1,317,665; (10) $14,417,183; (11) $2,795,051; (12) $24,735,412.
BROWN		Includes John Carter Brown, Annmary Brown, and Art Slide Libraries, and media services.
	I, 11	Includes manuscripts only.
	I, 12	Excludes the John Carter Brown Library.
	II, 1	Includes documents and media (such as microforms, videos, and sound recordings).
CALIFORNIA, BERKELEY	I, 1-7	Includes government documents.
	II, 3-4	Included in Monographs Expenditures (II,1).
CALIFORNIA, DAVIS		Includes Harrison Western Research Center Library (19,689 bound volumes and 107 non-document serials) in Fair Oaks, California.
		Volume count for the General Library is bibliographic; for Law Library count is physical.
	II, 3	Includes for Law Library: RLIN, $21,000; LEXIS and WESTLAW, $40,386.
CALIFORNIA, IRVINE	I, 1-7,9	Includes government documents, based on a piece count.
	I, 5-7	Includes government document serials. Separate counts for purchased and nonpurchased serials unavailable due to change in automated system.
CALIFORNIA, LOS ANGELES	I, 1-15	Volume counts include government documents, except in the Law Library.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
CALIFORNIA LOS ANGELES (cont'd)	I, 1-7	Initial volume count in 1940s was bibliographical; subsequent counts of added volumes have been physical.
	I, 5-7	Includes cataloged government document serials.
	III, 3	Professional Staff includes Management and Professional Program employees.
CALIFORNIA, RIVERSIDE	I, 1	1991-92 figure adjusted to include 80,704 fully cataloged government document volumes and 2,118 gifts cataloged.
	I, 7	The government documents included in the bound volume count are accessible through the online catalog.
	II, 9	Includes $27,970 in federal work study funds.
CALIFORNIA, SAN DIEGO	I, 5-7	Includes monographic and publishers' series.
	II, 2	Includes serial and monographic standing orders and microform serials.
	II, 4	Expenditures for database services (literature searches)
	II, 6-10; III, 3-6	Includes 19.98 FTE hired for cost recovery operations, special projects, and grants.
		Faculty figures are FTE, almost all of which are full-time.
CALIFORNIA, SANTA BARBARA	I, 1-3	Volume counts excludes government documents.
	I, 5-7	Includes government document serials.
	II, 3-4	Included in Monographs Expenditures (II,1).
CANADA INST. FOR SCITECH.		Includes 15 branch libraries throughout Canada that serve the divisions of the National Research Council of Canada, CISTI's parent organization.
		All figures are as of March 31, 1993.
	III, 4	Support Staff positions have been reclassified, hence decrease from 128 to 97.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) U/A; (2) U/A; (3) U/A; (4) U/A; (5) $7,613,000; (6) $22,000; (7) U/A; (8) U/A; (9) U/A; (10) $9,340,000, (11) 15,151,000; (12) $32,126,000.
CASE WESTERN RESERVE	I, 1-3	Count is physical for some libraries and bibliographical for others.
	I, 1-2,6	Includes government documents.
	I, 4-5	For Medical Library, continuations are included with monographs, not serials.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
CASE WESTERN RESERVE (cont'd)	I, 4	Monographs purchased separately only; does not include monographs received as part of standing orders.
	I, 10; II, 2-12; III, 3-6	For University Library, includes staff and expenditures for materials and staff in Library Information Technologies, the unit responsible for library systems and technology, which reports directly to the Vice President for Information Services.
	II, 3	45 new campus-wide network CD-ROM products added in FY1992-93.
	III, 4-5	Medical Library includes 3 FTE support staff, and 1 FTE student assistant paid from grant funds.
CENTER FOR RESEARCH LIBRARIES	I, 1-3, 8	Includes government documents (number estimated).
	I, 5-7	Excludes most government documents in collection.
	II, 3, 12	Includes restricted-fund expenditures.
	II, 11	Excludes figures related to building maintenance.
	III, 3	Includes 4.6 FTE of grant funded personnel.
CHICAGO	I, 3	Includes cataloged government documents.
	I, 4	Excludes monographic series and continuations.
	I, 5-7	Includes monographic series and cataloged government document serials; excludes duplicate subscriptions.
	I, 7	Includes cataloged government document microforms.
	I, 9	Chicago catalogs and classifies most government documents for the general collections. The library has no separate government documents department and counts of uncataloged government documents are not maintained.
	I, 10, 13-15	Figures do not represent total number of pieces/units held by the University of Chicago Library. Basis of count is bibliographic. Included are processed materials and materials to be processed; the Library holds materials in these categories that are not counted.
	II, 1	Excludes monographic series and continuations.
	II, 2	Includes monographic series and duplicate subscriptions.
	II, 3	Figure constitutes some electronic media (LEXIS and WESTLAW). Other electronic media, microforms, serials backfiles, charts and maps, audiovisual materials, manuscripts, etc., included in Monographs Expenditures (II,1) and Serials Expenditures (II, 2)
	III, 1-2	Includes 6,073 pieces received from the Center for Research Libraries. ILL figures are piece counts rather than transactions.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
CHICAGO (cont'd)	II, 7-10; III, 3-6	Segregated data not available on cost recovery positions and staff hired for special projects and grants.
CINCINNATI		Figures do not include libraries at Raymond Walters College and Clermont College.
	I, 1	1991-92 figure revised
	II,4	Excludes Medical Libraries.
		Degrees awarded includes only Ph.D.degrees; excludes all other doctoral degrees.
COLORADO	II, 3	Includes Humanities Special Purchases.
	II, 4	Includes bibliographic utility expenditures.
	III, 4	Includes 4 support staff FTE paid from auxiliary funds.
	III, 5	Includes 35 student assistants FTE paid from work study funds.
COLORADO STATE	I, 10	Figure is an estimate.
	II, 4	Includes ARL ($12,040); RLG ($32,000); bindery supplies ($24,812); searches (IBDBS $3,180); access/ILL ($71,504); networking operations ($116,515); and NTIS payment ($1,186).
COLUMBIA		Volume count for Law School is bibliographical.
	I, 1-8	Includes government documents.
	II, 3	Included in Monograph Expenditures (II, 1) and Serials Expenditures (II, 2).
	II, 4	Expenditures for Law Library computer databases.
CONNECTICUT		Includes Greater Hartford Campus. Excludes Avery Point, Stamford, Torrington, and Waterbury.
	I, 1-8	Includes government documents.
CORNELL		Includes Geneva Experiment Station.
	I, 11	Manuscripts and Archives are in cubic feet
	III, 3	Definition changed this year to match that used in ARL Salary Survey.
	III, 6	Includes 5 FTE professional, 22 FTE support staff, and 11 FTE student assistants on grants and projects.
		Faculty count includes only full, associate and assistant professors. Excludes faculty at the Medical Division in New York City.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
CORNELL (cont'd)		Enrollment figures exclude Medical Division in New York City and students registered in absentia. Part-time enrollment reflects employee degree registrants only.
DARTMOUTH	I, 1	1991-92 figure adjusted to include government documents.
	III, 3-4	Includes 4 FTE professionals, and 4 FTE support staff paid from grant funds.
DELAWARE		Includes Marine Studies Library at the University of Delaware Marine Studies Research Complex in Lewes, Delaware.
	I, 1-3, 8	Includes government documents.
	II, 7-10	Excludes professional and support staff in Computing and Network Services assigned to the library.
	II, 3	Included in Monographs Expenditures (II, 1) and Serials Expenditures (II, 2).
	II, 12	Excludes operating budget of University of Delaware Library Associates, which was $60,700 in FY1992-93.
DUKE		Includes the Fuqua School of Business Library. Perkins Library System includes the main and departmental libraries, the Divinity Library, and the Duke Marine Lab Library.
	I, 4	Monographic purchases reported only by Perkins and Medical Center Libraries.
	I, 5	Figure available for Business and Medical Center Libraries only (6,188).
	I, 6	Figure available for Medical Center Library only (30).
	I, 11	Figure for Medical Center Library only. Perkins figures are U/A because of renovations and moving of Special Collections during the fiscal year.
	II, 3	Figure for Perkins Library reported under II, 1 and II, 2.
	II, 4	Miscellaneous expenditure of $9,258 reported in error in *1991-92 ARL Statistics*. The expenditure occurred in 1992-93 and is included in this report. Perkins includes access charges for online searching ($90,005), document delivery ($25,267), and other nonbook expenditures for travel and equipment for collection development activities in this category.
	II, 11	Includes ILL charges for Perkins Library.
EMORY		Includes Oxford Campus.
	I, 1	1991-92 figure revised to reflect corrected volumes count for Law Library; does not include government documents for Law Library.
	I, 9	Includes all government documents in Law Library.

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INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
EMORY (cont'd)	II, 1-12	Figures are as of August 31, 1993.
	II, 1-12	At the beginning of FY1992-93, Media Services was transferred out of the library, resulting in a net reduction of approximately $520,000 in total operating expenditures.
	III, 6	Includes 4 FTE cost-recovery or grant-funded positions.
FLORIDA	I, 1-3	Includes government documents.
	I, 5-7	Reflects total number of serials received; number of titles were reported in previous years. Excludes government documents.
	II, 7-10	Figures exclude fringe benefits.
	II, 12	Excludes expenditures for library automation provided by Florida Center for Library Automation.
	III, 3	The professional staff count reported for FY1991-92 did not include figures for the Health and Law Libraries. The total reported should have been 106.
		Graduate Student figure excludes students in professional schools.
FLORIDA STATE		Includes branch campus in Panama City (holdings and materials expenditures only); excludes Developmental Research School.
	I, 1	Includes most cataloged government documents.
	II, 1	Includes microforms, audiovisual materials, etc.
	II, 3-4	Figures available for Law Library only.
		Number of total doctoral degrees awarded is reported; number of Ph.D.s only not available.
GEORGETOWN	I, 1	1991-92 figure revised to include adjustments by Medical Library.
	I, 1-3	Excludes government documents.
	I, 4	Law Library represented as titles rather than volumes.
	I, 8-10	Medical Library figures unavailable.
GEORGIA	II, 1-3, 5-8	Includes cataloged government documents, some of which are shelved together in the Main Science Libraries.
GEORGIA TECH	I, 1-3, 5-7	Includes government documents that are cataloged, classified, and housed separately.
GUELPH		All figures are as of April 30, 1993.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
GUELPH (cont'd)	II, 1	Includes non-budgetary grants of $216,303.
	II, 10	Previously negotiated salary increases implemented for librarians and unionized support staff.
	II, 11	Increased expenditures include one-time equipment costs.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $1,233,058; (2) $1,906,123; (3)$48,283; (4) $16,909; (5) $3,204,373; (6) $112,949; (7) $1,524,581; (8) $4,997,662; (9) $115,343; (10) $5,113,005; (11) $562,547; (12) $8,992,874.
HARVARD		Includes research institutions in the District of Columbia and Italy.
	I, 1	1991-92 figure revised.
	I, 1-2	Includes some government documents.
	I, 6	Includes some government documents; excludes some international government documents.
	I, 7	FY93 serials totals are based on revised FY92 subscription counts in some units.
	II, 12	Separate figures for expenditures from grants and special projects are not available. Excludes fringe benefits ($7,371,833) and buildings and maintenance ($3,185,949) charged to library budget. Includes cost recovery items ($4,849,781).
	III, 5	Adjusted FTE counts are reflected in revised totals.
		All Ph.D.s are awarded through the Graduate School of Arts and Sciences.
		Full-time instructional faculty includes FY92-93 full-time faculty count for all faculties of the University.
HAWAII	I, 1-3, 5-8	Includes government documents; based on a formula applied to a piece count.
	II, 11	Other operating expenditures include one-time computer hardware upgrades for local online system.
HOUSTON		All figures are as of August 31, 1993.
		Excludes branch campus libraries at Clear Lake, Victoria, and Downtown.
	I, 1	1991-92 figure adjusted to include 28, 254 bound serial volumes not reported from 1989-90 through 1991-92.
	II, 11	Includes significant institutional and foundation support for electronic information systems.
		Only ranked faculty were reported in 1991-92.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
HOWARD	II, 3	Included in Monographs Expenditures (II, 1) and Serials Expenditures (II, 2).
		Enrollment, Faculty and Ph.D. figures are unavailable.
ILLINOIS, CHICAGO	I, 1-3	Excludes government documents.
	I, 4	Includes government documents; excludes monographs in series or continuations.
	I, 10	Count is by title, not unit.
	I, 13	1991-92 figure reported pending ongoing review for a more accurate count.
ILLINOIS, URBANA	I, 1-3, 5-8	Includes government documents.
	II, 6	Includes 33.5 FTE graduate assistants and 4.5 FTE funded from research grants or other temporary funds.
INDIANA	II, 1-2	Figures do not reflect complete information from the Kinsey Institute Library.
	II, 7-11; III, 3-6	Includes staffing and wages in support of statewide automation project.
	III, 3	Professional staff includes all librarians and professional appointments.
		Number of full-time instructional faculty revised to exclude full-time administrators who have faculty appointments but whose primary responsbilities are administrative.
IOWA	I, 1-3	Excludes annuals and proceedings.
	I, 4	Includes music scores and some annuals.
	II, 2	Excludes annuals and proceedings; includes memberships.
	II, 7	Excludes salary for .5 FTE Associate Dean for Research in Law.
	II, 11	Includes automation expenditures and development costs for Information Arcade.
IOWA STATE	I, 7	Includes 3,098 government document serials.
	II, 4	Includes OCLC, literature searching, contract conservation, preservation supplies, reformatting, and postage.
	II, 11	Includes fringe benefits, which were omitted in FY1991-92.
	III, 4	Includes 7.39 FTE cost recovery/grant/special projects positions paid out of other academic accounts.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
IOWA STATE (cont'd)	III, 5	Includes 6.88 FTE cost recovery/grant/special project positions, paid out of other academic accounts.
JOHNS HOPKINS		Includes Eisenhower Library; Welch Medical Library; Institute of the History of Medicine; School of Hygiene and Public Health Library; Peabody Conservatory Library; Applied Physics Laboratory Library; School of Advanced International Studies (SAIS) in Washington, DC, and Bologna, Italy; the Center for Italian Studies in Florence, Italy; the Montgomery County Center in Rockville, MD; and the School of Continuing Studies, Columbia Center and Downtown Center. Excludes SAIS in Nanjing, China
		Data from the Applied Physics Laboratory covers their fiscal year, which is from January through December.
	I, 1	1991-92 figure revised.
	I, 1-3, 5-8	Includes government documents based on ARL formula.
	II, 4	Includes literature searching and postage for library materials.
	II, 7-10; III, 3-6	Figures do not include Genome Database Project due to organizational restructure.
KANSAS		Main Library includes Regents Center Library, Overland Park Kansas. Medical Library includes Health Sciences Library and Clendening History of Medicine Library, in Kansas City. Excludes University of Kansas School of Medicine at Wichita, KS.
	I, 1	1991-92 figure adjusted to include 69,001 goverment document volumes represented in the OPAC.
	I, 1-3, 5-8	Includes government documents.
	II, 7	Includes 13 FTE professional staff supported by grant funds, $167,629.
	II, 8	Includes 1 FTE support staff supported by grant funds, $13,162.
	II, 9	Includes 1.3 FTE student assistants supported by grant funds, $11,775.
	II, 11	Includes $212,118 for equipment purchases.
		Count of Ph.D. fields includes one joint program with Kansas State, for a total of 56 fields at Lawrence campus and 11 at Kansas City. Two fields are inter-campus programs.
		Main Library full-time instructional faculty excludes faculty administrators (33) and librarians (55). Medical Library excludes librarian (1) and fulltime faculty (57) at University of Kansas School of Medicine at Wichita, KS.
KENT STATE		Includes main campus and branches at Astabula, Geauga, East Liverpool, Salem, Stark, Trumbull, Tuscarawas.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
KENT STATE (cont'd)	II -III	Expenditure and personnel figures include Audiovisual Services and Teleproductions.
KENTUCKY		Excludes branch campuses at Lexington, Prestonburg, Madisonville, Hopkinsville, Henderson, Louisville (2), Ashland, Somerset, Maysville, Elizabethtown, Cumberland, Hazard, Owensboro, and Paducah.
	I, 2	Includes bound serials for FY1990-91 (8,092) and FY1991-92 (6,700), which were inadvertently left out in previous statistics reports.
	II, 4	Includes bibliographic utilities ($60,125), deposit accounts ($18,961), postage ($57,157), document delivery ($2,103), and literature searching ($5,125).
	II, 9	Increase in student assistants expenditure reflects the opening of two more large microcomputer labs, and the initiation of 24-hour services in the main library and some of the microcomputer labs.
LAVAL		All figures are as of May 31, 1993.
	I, 1-3, 5-8	Includes government documents.
	I, 4	Count is number of titles rather than volumes.
	I, 9	Represents 560 linear feet.
	II, 1	Includes Can. $37,800 in grant funds.
	II, 4	Includes online literature searching.
	II, 6	Includes only special contracts and binding supplies. Most binding is done in-house. Salaries involved are Can $206,867.
	III, 3	Includes 3.2 professionals for special projects.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $1,390,793; (2) $3,460,213; (3) $111,661; (4) $77,587; (5) $5,040,245; (6) $47,821; (7) $4,172,937; (8) $5,804,352; (9) $218,725; (10) $10,196,014; (11) $829,756; (12) $16,113,845.
LIBRARY OF CONGRESS		All figures are as of September 30, 1993.
	I, 2	Arrearage reduction effort underway.
	I, 6	Number of current serials, including periodicals, received but not purchased can only be estimated.
	I, 11	Figure is an esitmate
	III, 2	Foreign ILL suspended in April, 1993, for budgetary reasons.
LINDA HALL		All figures are as of December 31, 1992.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
	I, 1	1991-92 figure revised.
LINDA HALL (cont'd)	I, 1-3, 5-7	Excludes government documents.
	I, 8	Includes government documents.
	II, 7-10	Includes fringe benefits for the first time this year.
LOUISIANA STATE		Includes Law Library and Veterinary Medicine Library.
	I, 5	Decrease is the result of serial cancellations during the year.
	II, 3	Costs for Other Library Materials cannot be disaggregated from book expenditures.
	II, 6	Serials not purchased now include government document titles.
	II, 8	Includes $222,232 in salaries paid to Graduate Assistants.
	II, 11	Includes $110,000 paid to SOLINET.
	II, 12	Figure for 1991-92 included one-time money which inflated total library expenditure figure.
	III, 3-4	Decrease is due to a hiring freeze that affected the last 10 months of FY 93.
McGILL		All figures are as of May 31, 1993.
	I, 1	1991-92 figure revised (2,707,417) to include cataloged monographic and serial government documents, as well as music scores.
	I, 8	1991-92 figure revised (1,235,778).
	I, 9	1991-92 figure revised (824,592) to exclude cataloged monographic and serial government documents now included in Volumes in Library (I, 1).
	II, 3	Included in Monographs (II, 1) and Serials (II, 2) expenditures.
	II, 4	Includes Tattletapes (Can $27,848), bibliographic searching (Can. $218,170), and memberships (Can. $33,553).
	II, 11	Includes capital equipment (Can. $253,095).
	III, 1	1991-92 figure revised (21,857).
	III, 2	1991-92 figure revised (7,021).
		Total part-time student figure reported is FTE; head-count is 10,214.
	II, 1-12	Figures reported in Canadian dollars were: (1) $1,698,145; (2) $3,070,807; (3) U/A; (4) $279,571; (5) $5,048,523; (6) $224,263; (7) $4,593,700; (8) $5,830,486; (9) $513,209; (10) $10,937,395; (11) $1,259,751; (12) $17,469,932.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
McMASTER		All figures are as of June 30, 1993.
	I, 1-8	Includes government documents. For all areas except Health Sciences, government documents counts are based on the linear feet x 10 formula.
	II, 1-12	Figures reported in Canadian dollars were: (1) $1,393,079; (2) $3,170,782; (3) $15,077; (4) $28,215; (5) $4,607,153; (6) $121,446; (7) $1,967,795; (8) $4,188,608; (9) $339,754; (10) $6,496,157; (11) $573,036; (12) $11,797,792.
MANITOBA		All figures are as of March 31, 1993.
	II, 3	Included in Monographs Expenditures (II, 1) and Serials Expenditures (II, 2).
	III, 3-4	Includes 1 FTE professional and 1.13 FTE support staff paid from grant funds.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $877,268; (2) $2,479423; (3) U/A; (4) $75,883; (5) $3,432,574; (6) $182,000; (7) $3,004,595; (8) $4,000,457; (9) $583,948; (10) $7,589,000; (11) $1,201,850; (12) $12,405,424.
MARYLAND		College Park Campus. Figures include the College of Library and Information Services Library for collections and materials expenditures only.
	I, 1-3, 5-8	Includes government documents.
	II, 10; III, 5	Expenditures for federal work study students are excluded, but these students are included in the calculation of FTE student assistants.
		Full-time Sutdents figure for 1991-92 should have been 21,138.
		Ph.D. count includes all doctoral fields.
MASSACHUSETTS	I, 1-3, 5-8	Includes government documents.
		Ph.D.s awarded excludes Ed.D. degrees.
MIT	I, 1-3, 5-8	Includes government documents.
	II, 4	Includes bibliographic utilities ($190,794) and literature searching ($169,049).
MIAMI		Figures are for fiscal year ending May 31, 1993.
	I, 1-3, 5-7	Includes cataloged government documents.
	I, 7	Includes government documents.
	II, 7	Excludes director's salary.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
MICHIGAN		Excludes Dearborn Campus Library, and the University of Michigan-Flint Library.
	I, 1	Figure revised to include holdings of Business Library.
	I, 1-3, 5-8	Includes government documents.
	I, 5-6	Figures for Law Library are estimated.
	II, 2	Includes microform serials.
	II, 1-5	Figures for the William L. Clements Library are estimated.
	II, 7	Figure includes wages for librarians and Professional/Administrative category.
		Includes Ph.D. fields only; professional degrees and individualized program degrees are excluded.
MICHIGAN STATE	I, 1-3	Excludes government documents.
	I, 5-7	Includes some monographic series that cannot be disaggregated. Includes government documents.
	II, 2	Includes expenditures for some monographic series that cannot be disaggregated.
	II, 3	Included in Monographs Expenditures (II, 1) and Serials Expenditures (II, 2).
	II, 7	Includes .85 FTE paid from grant funds and 4.78 FTE paid by other university units.
	II, 8	Includes 1 FTE paid from grant funds.
	II, 9	Includes $7,799 paid from grant funds and $401,400 from cost recovery funds.
	III,3	Includes .85 FTE paid from grant funds, 3 FTE temporary, and 4.78 FTE paid by other university units.
	III, 4	Includes 1 FTE paid from grant funds.
	III, 5	Includes .82 FTE paid from grant funds and 21.6 FTE from cost recovery funds.
		Figure represents faculty with tenure only.
MINNESOTA		Excludes branch campus libraries at Duluth, Morris, and Cookston.
	I, 4	Figure unavailable.
	I, 5	Includes 8,084 corporate annual reports for first time.
	I, 7	Figure includes government document serials.
	I, 8	Figure includes microform government documents for the first time this year.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
MINNESOTA (cont'd)	I, 9	In past years government documents counts included microforms, serials, and maps.
	I, 12	Figure includes map government documents.
MISSOURI	II, 3	Increase over 1991-92 figure due to Law Library data.
	II, 4	Includes $10,770 paid to OCLC by Law Library and $65,598 for computer-assisted legal research.
	II, 7	Includes $192,263 for UM-Wide Library Systems Office for online catalog.
	II, 11	Includes $247,046 for UM-Wide Library Systems Office for online catalog. Also includes data, some new for Archives, additional Law Library expenses, and staff professional development expenses now paid by the University Libraries.
NATIONAL AGRICULTURAL LIBRARY		U.S.D.A. field libraries are not included.
		All figures are as of September 30, 1993.
	I, 1	1991-92 figure revised.
	I, 1-3, 5-8	Includes government documents.
	I, 2	Serial volumes added estimated from count of unbound issues; periodicals binding is not current.
	II, 7-10	Includes fringe benefits.
NATIONAL LIBRARY OF CANADA		Figures for holdings, interlibrary loans, and expenditures are as of March 31, 1993.
	I, 1-3, 5-8	Excludes government documents.
	I, 4	In addition to monographs purchased, two copies of documents published in Canada are received on legal deposit.
	II, 1-2	Canadian monographs and serials are received on legal deposit.
	III, 3-6	Authorized person-years.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $120,859; (2) $1,333,065; (3) $1,359,811; (4) $645,798; (5) $3,459,533; (6) $63,077; (7) U/A; (8) U/A; (9) U/A; (10) $21,102,598; (11) $14,260,220; (12) $38,885,428.
NATIONAL LIBRARY OF MEDICINE		All figures are as of September 30, 1993.
	I, 1-3, 5-8	Includes government documents; based on a combination of titles and volume counts.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NAT'L. LIBRARY OF MEDICINE (cont'd)	II, 1-12; III, 3-6	Statistics reflect the Library Operations component of the Library: Public Services, Technical Services, Bibliographic Services, and History of Medicine Divisions, as well as the Medical Subject Headings staff, the staff of the Regional Medical Library program, and the Office of the Associate Director for Library Operations.
NEBRASKA	I, 1	Does not include GPO titles not cataloged using OCLC. The Libraries are in the process of loading the GPO bibliographic records for 1976-present.
	I, 4, 10, 14-15	Figures not available for Law Library.
	II, 11	Excludes $8,303 maintenance funds from main library budget.
	III, 4	Includes 2 FTE temporary support staff.
NEW MEXICO	I, 1-3, 5-8	Includes government documents. Law Library excludes government documents from count of Current Serials.
	I, 1-4	General Library multiplies number of non-government document titles by conversion factor of 1.2 to estimate volumes. General Library divides number of government document pieces by 5.2 to estimate volumes.
	I, 1	Volumes count is physical for Medical Library and bibliographic for all others.
	I, 9	Law Library uses one foot = 52 pieces for estimating.
	II, 2	Includes approximately $450,000 in payment for General Library serials bills held over from FY1991-92.
	II, 10	Law Library director position was unfilled. General Library had a hiring freeze.
	II, 11	Includes appropriation from State Legislature for the General Library Center for Southwest Research.
	III, 3-4	Includes 3 FTE professional staff and 4 FTE support staff in grant funded positions in the General Library.
NEW YORK		All figures as of August 31, 1993.
	I, 1-3	Excludes government documents.
	II, 7; III, 3	Includes professionals who are not librarians.
	II, 4	Excludes expenditures for bibliographic utilities, literature searching, etc.
NEW YORK PUBLIC LIBRARY	I, 1-3, 5-8	Includes government documents.
	II, 7-8	Separate figures for professional and support staff are unavailable.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NEW YORK PUBLIC (cont'd)	III, 6	Includes number of positions authorized; does not reflect number of positions filled/vacant at any given time. Number also includes one-time only project positions.
NEW YORK STATE LIBRARY		All figures as of March 31, 1993.
	I, 1-3, 5-8	Includes government documents.
	II, 1-12	Includes figures for NEH and Library fund, as well as State and LSCA funds.
NORTH CAROLINA		Includes Institute of Marine Sciences Library.
	I, 1-3, 5-8	Includes government documents.
	II, 12	Includes $3,242,358 in grants, trust, and other special funds; excludes $187,007 in expenditures for the Triangle Research Libraries Network from funds contributed by Duke and North Carolina State Universities.
	III, 3-4	Includes 3 FTE professionals and 4 FTE support staff on special grant funds; excludes 3 FTE paid from funds contributed by Duke and North Carolina State Universities for support of the Triangle Research Libraries Network.
NORTH CAROLINA STATE		Includes Veterinary Medical Library.
	I, 1, 5-7	Selected cataloged government documents included as of 1989-90.
	I, 4	Includes some monographic standing order items paid from serials funds.
	II, 1-2	Some monographic series are paid from serials funds (included in II, 2).
	II, 4	Includes bibliographic utilities ($170,293) and memberships ($41,424).
NORTHWESTERN		Includes Chicago Campus (Law, Medical, and Dental Libraries.)
		All figures are as of August 31, 1993.
	I, 1	As a result of the inventory carried out in Summer 1992, the volume count of the Medical Library should be reduced by 30,900.
	I, 1-3	Includes government documents.
	III, 3	Includes 2 FTE professionals supported by grant funds.
	III, 4	Includes 2.5 FTE support staff supported by grant funds.
NOTRE DAME	I, 8	Figure based on a physical count conducted during 1991-92.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
NOTRE DAME (cont'd)		Total Faculty reported 1991-1992 reflected part-time faculty also. This year only FTEs are reported.
OHIO STATE		Volume count is bibliographical, reported in previous years as physical.
	I, 1-8	Includes government documents.
	II, 3	Includes only Health Sciences and Law Library expenditures. Data for other libraries included in Monographs Expenditures (II, 1) and Serials Expenditures (II, 2).
	II, 4	Includes expenditures for Law Library only.
	II, 11	Includes expenditures attributed in 1983-84 and earlier years to the University Computer Center. Figure reported for 1991-92 was $660,102 lower than it should have been.
	III, 6	Includes 4.3 FTE positions funded by grants.
OKLAHOMA	I, 1-3, 8	Excludes government documents.
OKLAHOMA STATE		Includes the OSU technical branches in Oklahoma City and Okmulgee and OSU's College of Osteopathic Medicine in Tulsa.
	I, 2	Includes 18,737 bound journals from the OSU College of Osteopathic Medicine that were previously unreported as well as a number of cataloged government documents in the Main Campus Library previously unreported.
OREGON	I, 1-3, 5-8	Includes cataloged government documents.
	II, 3	Included in Monographs Expenditures (II, 1) and Serials Expenditures (II,2).
	II, 4	Includes bibliographic utilities, online searching, shipping charges, and miscellaneous.
		Full-time faculty figure represents tenured and tenure-track faculty.
PENNSYLVANIA	I, 1-3, 5-8	Includes government documents.
	I, 2	160,000 volumes were added when the former Annenberg Research Institute and its library were merged with the University of Pennsylvania Library.
PENNSYLVANIA STATE		Includes main campus and branches at Allentown, Altoona, Beaver, Berks, Delaware Co., Du Bois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogontz, Penn State Erie, Penn State Great Valley, Penn State Harrisburg, Schuylkill, Shenango Valley, Wilkes-Barre, Worthington, Scranton, York, Capital College.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
PENN STATE (cont'd)	I, 1	1991-92 figure revised, decrease of 17,636 for campuses due to transposition error.
	I, 13, 15	Graphics and Film & Video figures for University Park campus only.
	III, 3	1991-92 figure incorrect; it should have been 117.
	III, 4-5	Support staff hired on wage payroll were included in error in student assistant count last year (approx. 50 FTE).
	III, 6	Number of staff hired for special projects and grants: 20 FTE (including wage hires).
PITTSBURGH		Excludes branch campus libraries at Johnstown, Greensburg, Bradford, and Titusville.
		With the exception of I, 1-8, all totals reflect 1991-92 figures for the Law Library, which was unable to report this year.
	I, 1-3, 5-8	Includes government documents.
	I, 1	1991-92 figure revised. Figure based on sampling.
	II, 11	Includes funds for retrospective conversion provided by university computing funds.
		Medical full-time instructional faculty is not included, per IPEDS definition, even though medical figures are included in all other questions.
PRINCETON	I, 1-3,5-8	Includes government documents.
	II, 10	Figures prior to 1985-86 included fringe benefits.
	II, 11	Figures before FY91 do not include non-salary expenditures for grant funded projects or photo-services.
	III, 1-2	Interlibrary loan figures were reported incorrectly in 1991-92 *ARL Statistics;* correct figures are: total items borrowed, 17,183 and total items loaned, 8,781.
PURDUE		Excludes branch campuses at Purdue North Central in Westville, Purdue Calumet in Hammond, and Purdue Fort Wayne in Ft. Wayne.
	I, 1-3	Includes cataloged government documents.
QUEEN'S		All figures are as of April 30, 1993.
	I, 1-3	Excludes government documents.
	I, 13	Excludes Education Library.
	II, 2	Includes microforms.
	II, 3	Includes audiovisual materials only.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
QUEEN'S (cont'd)	II, 10	Represents 1.2% increase in salary expenditures. This is consistent with constraints on budgets due to reduced funding from the province.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $1,290,041; (2) $3,180,179; (3) $23,000; (4) $0; (5) $4,493,221; (6) $179,464; (7) $2,039,580; (8) $4,368,120; (9) $258,934; (10) $6,666,634; (11) $601,460; (12) $11,940,779.
	III, 3	Includes 3 FTE Librarian contract positions paid on soft money, not operating funds.
		Enrollments as of November 15, 1993.
		All ranks combined, including deans and excluding medical and dental instructors. Data from 1992-93 Statistics Canada publication (81-258). Data in 1991-92 questionnaire included medical and dental instructors in error.
RICE	I, 1	1991-92 figure revised to include documents added to the OPAC.
	I, 1-3	Includes government documents.
	I, 7	Decrease from 1991-92 is due to moving monographic series out of this line, not cancellations.
	I, 8	Microform count includes a correction from previous years.
	I, 11	Manuscript count is cubic rather than linear feet.
	II, 7-12; III, 3-6	Includes the addition of staff and expenditures for the Computing Reference Center, which was transferred to the Library.
	III, 1-12	Includes cost recovery expenditures and expenditures from other university cost centers for core library services.
	II, 1-2	Does not include borrowing and lending activity for fee-based off-campus information delivery operation.
ROCHESTER		Count is bibliographic for Sibley Library only.
	I, 1-3	Excludes government documents.
	I, 5	Includes purchased duplicate subscriptions to a government document. Includes Sibley Music Library for the first time.
	I, 6	Excludes government documents.
	I, 8	Excludes Edward G. Miner Library for which data are unavailable.
	I, 9	Rush Rhees Library only.
	I, 11	Excludes Eastman School Archives for the Sibley Library reported figure.

97
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INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
	I, 12	Rush Rhees Library only.
ROCHESTER (cont'd)	I, 13	Edward G. Miner Library only.
	II, 1	Includes Other Library Materials for Rush Rhees Library.
	II, 2	Includes monographic and publishers' series for Rush Rhees Library
	II, 3	Figure unavailable for Rush Rhees Library; included in Monographs Expenditures (II, 1)
	II, 7; III, 3	Includes information for the Sibley Library Director.
	II, 7	Includes 2 professional FTE grant-funded positions for Sibley Music Library not included in Salaries and Wages.
	II, 9	Includes 2 student assistants FTE grant-funded positions for Sibley Music Library not included in Salaries and Wages.
		Graduate enrollments exclude MD students, but include other advanced degree students, e.g. Masters and Ph.D.s in the Medical School.
		Faculty information reported is from IPEDS-SA(AAUP). In previous years the faculty data was from Affirmative Action reporting and included clinical/preclinical faculty.
RUTGERS		Figures include two law libraries; services to a non-Rutgers medical school; and campuses in Camden, Newark, and New Brunswick.
	I, 12-15	Total Audiovisual materials is 88,831 items.
	II, 4	Includes memberships ($168,459).
	II, 7-8	Excludes staff hired for special projects and grants.
	II, 11	Includes one-time expenditures for automation.
SASKATCHEWAN		Excludes Theological College libraries on campus that are not part of the library system.
		Figures are as of April 30, 1993.
	I, 1	1991-92 figure revised. Includes retrospective CODOC cataloging of government publications.
	I, 1-3, 5-8	Includes government documents.
	I, 4	Titles purchased.
	I, 6	Includes 3,351 government publication subscriptions received on deposit and 1,125 gifts.
	II, 3	Included in Monographs Expenditures (II, 1).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
SASKATCHEWAN (cont'd)	II, 1-12	Expenditures reported in Canadian Dollars are: (1) $1,246,051; (2) $3,146,385; (3) U/A; (4) $0; (5) $4,392,436; (6) $98, 765; (7) $1,961,557; (8) $3,,205,446; (9) $195,028; (10) $5,362,031; (11) $623,931; (12) $10,477,163.
SMITHSONIAN		Excluded are: Hirshorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art, and National Portrait Gallery. Branches outside Washington D.C. include: Center for Astrophysics (formerly Smithsonian Astro-physical Observatory), Cambridge, MA and Mt. Hopkins, AZ; Cooper-Hewitt Museum of Decorative Arts and Design, New York City; and Smithsonian Tropical Research Institute in Panama. All figures are as of September 30, 1993.
	I, 2-3	Represents volumes received in the branches. Microforms are not included.
	I, 4	Represents the number of titles, not volumes.
	II, 1	Includes expenditures for both print and non-print items; the amount for non-print items cannot be disaggregated from the total. Figure represents $303,985 for SIL collections and $141,714 for non-SIL collections.
	II, 2	Includes $22,000 for CD-Roms for SIL Database Search Center, $710,000 spent for SIL collections, and $59,896 spent for non-SIL collections.
	II, 3	Includes $14,680 for ILL and $3,000 for photo-duplication/microfilming at the Library of Congress. Expenditures for Other Library Materials have been included in Monograph Expenditures (II, 1) and Serials Expenditures (II, 2).
	II, 4	Includes database searching, $49,995; document delivery, $33,700; and OCLC, $150,000.
	II, 10	Does not include any lapsed salaries due to vacancies. Lapsed salaries were reprogrammed for expenditures in other areas.
	II, 11	Of the $838,579, $514,846 includes: contract cataloging, ($341,800); S.I. Research Information System, ($92,206); preservation contracts, ($80,000); HOLLIS utility for serials check-in, ($840). The remaining $323,733 includes expenditures for general, preservation, and automation supplies and equipment purchases; memberships; and miscellaneous contracts.
	II, 12	$1,112,738 does not include: health and medical benefits, ($936,355); travel, ($34,086); training, ($17,883); building maintenance, ($3,356), equipment maintenance and service, ($66,697); public and staff programs, ($46,861); FY1992 carryover ($7,500); and unexpended special purpose monies ($793,233).

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
SMITHSONIAN (cont'd)	III, 3	Includes one post-graduate resident special appointment.
	III, 5	Reported in FY1993 for the first time.
		S.I. Libraries total funding from federal and private sources totaled $8,313,325.
SOUTH CAROLINA	I, 5-7	Includes government documents. Separate counts for purchased and non-purchased serials is unavailable due to change in automated system.
		Full time students reported to the 1991-92 *ARL Statistics* represented undergraduate students only.
SOUTHERN CALIFORNIA		Includes Medical Library, which is on a separate Health Sciences Campus.
		Excludes the Safety and Systems Management Library.
		Basis of count is bibliographic for Main Campus and Law Library, physical for Health Sciences Library.
	I, 1-3, 5-7	Includes cataloged government documents.
	I, 1	1991-92 figure revised.
	I, 7	Includes 18,490 serials purchased and 2,398 serials received but not purchased for Main Campus and Health Sciences libraries.
	I, 9	All counts for Law and Health Sciences are included in main counts and are not reported here.
	I, 12	Figure is for Health Sciences only; Law Library reported 0, and figures for Main Campus are unavailable.
	II, 3	Count is for Health Sciences and Law only.
	II, 11-12	Includes $997,561 in fringe benefits.
	III, 1-2	Data are for 1991-92.
		Enrollment figures for part-time undergraduates and full and part-time graduate students are for 1991-92.
SOUTHERN ILLINOIS		Excludes School of Medicine Library (Springfield), which is not administratively part of Library Affairs.
	I, 1-3	Includes government documents.
	I, 4	Title count.
		Number of Ph.D.s awarded excludes MD., JD., DBA., and RHD degrees.
STANFORD		Figures include Hopkins Marine Station Library.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
STANFORD (cont'd)		All totals reflect 1991-92 figures for the Stanford Linear Accelerator Center, which was unable to report this year.
	I, 1-15	Totals include estimates for several of the library units that were in the process of converting to NOTIS.
	I, 1-3, 5-8	Includes government documents.
	II, 1-5; III, 3-6	Figures reflect inclusion of $1.3 million for academic computing and software development.
	II, 1-2	Increase represents prepayment of $200,000 made in FY1991-92 for FY1992-93 material.
	II, 1-2	Figures are as of August 31, 1993.
	II, 12	Includes $782,880 in grant and contract funds.
	III, 6	Includes 11.3 FTE paid from grant and contract funds.
SUNY-ALBANY		Includes the Dewey Graduate Library of Public Affairs and Policy on East campus.
	I, 1	1991-92 figure has been revised to include cataloged government documents.
	I, 1-3	Includes government documents for first time this year.
	I, 4	Figure reflects title count.
	II, 4	Includes ILL services, $12,501; memberships, $72,657; bibliographic utilities, $119,765; computer-based reference services $16,173.
	II, 7-8	As previously reported, salaries are based on a percentage formula.
	III, 3-6	Includes 5 FTE professional, 7.3 FTE support staff, and 5 FTE student assistants in cost recovery positions from grants.
SUNY-BUFFALO	I, 7	Excludes government documents.
	I, 12-15	Figures are estimated.
	II, 4	Includes memberships ($42,200), and bibliographic utilities and literature searching ($202,998).
	II, 10	Excludes federal work-study funding.
	III, 3-6	Includes 2 FTE professionals, 1 FTE support staff, and 5 FTE student assistants on special projects grants.
		Ph.D.s awarded are as of June 30, 1993.
SUNY-STONY BROOK	I, 5	Includes all serials received by Medical Library.
	I, 9	Decrease reflects weeding project.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
STONY BROOK (cont'd)	II, 1	Includes some non-print material for main library.
	II, 4	Includes bibliographic utilities and automation ($128,702); literature searching ($55,512); memberships ($60,990); and binding ($42,316).
	II, 6	Excludes $42,316 reported in Miscellaneous Materials Expenditures (II, 4).
	II, 6-7	Figures for 1991-92 should have been: Serials not purchased, 5,932 and Total Serials 17,029.
	II, 12	Includes $862,751 from income fund and grants.
SYRACUSE		Excludes Utica College.
	I, 1-3	Includes government documents.
	I, 4	Figure reported is titles rather than volumes.
	I, 5	Excludes government documents.
	II, 7	Includes $170,971 for Academic Computing Center staff and Operating Expenditures.
	III, 3	Includes 2 FTE professional staff in Computing Center.
		Ph.D.s awarded includes all doctoral degrees.
TEMPLE	II, 3	Central Library System expenditures for Other Library Materials are included in Monograph Expenditures (II, 1) and Serials Expenditures (II, 2).
	I, 5-8	Includes previously unreported government documents held by the Central Library System.
		Ph.D.s awarded includes all academic doctoral degrees.
TEXAS		Includes General Libraries, the Humanities Research Center, and Tarlton Law Library.
	I, 4	Includes 43,533 volumes purchased by the General Libraries, 2,644 by the Tarlton Law Library, and 1,670 by the Humanities Research Center.
	I, 5	Includes 21,051 current serials purchased by the General Libraries; 7,643 by the Tarlton Law Library; and 297 by the Humanities Research Center.
	I, 6	Includes 20,782 serials received but not purchased by the General Libraries; 1,840 received by the Tarlton Law Library; and 76 received by the Humanities Research Center.
	II, 1	Includes expenditures for monographs of $1,756,981 by General Libraries; $87,075 by Tarlton Law Library; and $182,976 by Humanities Research Center.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
TEXAS (cont'd)	II, 2	Includes expenditures for current serials of $2,925,809 by General Libraries, $861,231 by Tarlton Law Library, and $11,543 by Humanities Research Center.
	II, 3	Includes expenditures of $252,586 by General Libraries, and $460,999 by Humanities Research Center.
	II, 4	Includes expenditures of $22,637 by General Libraries.
	II, 5	Includes expenditures of $4,958,013 by General Libraries; $948,306 by Tarlton Law Library; and $655,518 by Humanities Research Center.
	II, 9	Includes federal work-study funds.
	II, 11	Includes expenditures of $2,041,483 by General Libraries; $688,111 by the Law Library; and $575,894 by Humanities Research Center.
	III, 6	Includes 9.5 FTE staff hired on grant funds.
		Ph.D.s awarded includes D.Ed. degrees.
		Faculty figure is budgeted FTE.
TEXAS A&M		Medical Library is a separate academic entity; data from its two branch libraries are excluded.
		Texas A&M University at Galveston is included for the first time this year.
		All figures are as of August 31, 1993.
	I, 2	Includes 55,395 volumes from Texas A&M at Galveston.
	I, 5-7	Does not include uncataloged government documents serials.
	II, 11	Includes $750,000 for Computer Services Center operations of NOTIS.
		Unable to provide a figure for Ph.D.s only.
TORONTO		All figures are as of April 30, 1993.
		Includes only the libraries of the university within the President's budget; excludes those of the federated and affiliated institutions.
	I, 1-2	Includes government documents and monographic series.
	II, 3-4	Included in Monographs Expenditures (I, 1) and Serials Expenditures (I, 2)
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $4,944,160; (2) $6,006,585; (3) U/A; (4) U/A; (5) $10,950,745; (6) $365,402; (7) $9,470,641; (8) $ 13,722,721; (9) $2,052,048; (1) $25,245,410; (11) $2,140,564; (12) $38,702,121.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
TULANE		Includes Tulane Regional Primate Research Center in Covington, Louisiana.
	I, 1-3, 8	Includes government documents.
	I, 4	Figure is a combination of titles and volumes.
	I, 12-15	Figures are for main library only.
		Faculty figure includes School of Medicine and School of Public Health and Tropical Medicine.
UTAH		Includes Law and Medical Libraries for the first time this year.
	I, 1-3	Includes cataloged government documents.
	I, 5-6	Excluding Law Library, figures are for the General and Medical Libraries; 10,735 serials purchased and 2,524 serials received but not purchased.
	I, 5-7	Includes government documents.
	II, 1-12	Includes Law and Medical Libraries for the first time this year. Main library's expenditures in FY 92-93 were: (5) Total Library Materials, $2,605,861; (6) Contract Binding $225,368; (10) Total Salaries and Wages $4,125,375; (11) Other Operating Expenditures $1,432,212; and (12) Total Operating Expenditures $8,388,816.
VANDERBILT	I, 1	Includes government documents. 1991-92 figure adjusted downward by 236.
	III, 3-6	Reduced staff figure reflects, in part, the transfer of a 12-person unit out of the library.
		Full-time instructional faculty figure includes clinical faculty.
VIRGINIA		1991-92 figure revised.
	I, 5-7	Includes government document serials. Includes monographic series in Health Sciences and Law Libraries.
	I, 8	Includes government documents microforms.
	I, 9	Includes all U.S., international, and Virginia state documents in separate documents collection, excluding those represented by OPAC records.
	II, 2	Includes expenditures for monographic series in Health Sciences and Law Libraries.
VPI & SU	I, 1	Includes "open reserve" collection of approximately 10,000 volumes at Northern Virginia Graduate Center in Falls Church, Virginia.
	I, 5-7	Includes government documents, based on ARL formula.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
VPI & SU (cont'd)	II, 1	Includes firm order approval and blanket order monographs.
	II, 4	Includes bibliographic utilities, $100,000; literature searching, $44,572; membership dues (ARL, CNI, CRL), $52,798; interlibrary loans, $18,439; postage and handling, $6,705; VPI dissertation filming, $13,165.
	II, 9	Excludes ADP equipment.
WASHINGTON	I, 1-3, 5-7	Includes government documents.
	I, 5-7	Excludes Law Library.
	II, 3	Includes Law Library only.
	III, 3-6	Includes 4.9 FTE professional staff, 9.5 FTE support staff, and 14.7 FTE student assistants paid from cost recovery operations. Includes Head Law Librarian but does not include 1 FTE temporary librarian and 0.5 FTE temporary classified.
WASHINGTON STATE		Excludes Branch Campuses at Spokane, Tri-Cities, and Vancouver.
	I, 12-15	Figures include Manuscripts, Archives, and Special Collection items in addition to Media Materials Services collection.
	II, 1-12; III, 3-6	In previous years, figures included Instructional Media Services. As of July 1, 1992, this unit no longer be included.
	II, 3	Media Materials Services films and videos only.
	II, 4	CRL membership dues.
	II, 1-12	Includes expenditures for CD-Roms, microforms, and Manuscripts/Archives items.
	II, 11	Includes Friends of the Library and library development funds
WASHINGTON, ST. LOUIS	I, 1	1991-92 figure revised.
	I, 4	Monographic volume figures unavailable for Medical Library.
	I, 5-6	Separate count of serials purchased and those received but not purchased unavailable for Medical Library. For Central and Law Libraries, figures are 14,381 serials purchased and 525 serials received but not purchased.
	I, 8	Figures adjusted after actual physical count in government documents
	I, 10	Figure for computer files not available for Law and Medical Libraries.
	I, 11	Manuscripts count available in units only, no linear ft. count available for Central Library

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
WASHINGTON, ST. LOUIS (cont'd)	II, 4	Includes bibliographic utilities, searching, retrospective conversion, interlibrary loan, document delivery, and memberships for Central Library. Most expenditures for Medical Library are reported as Other Operating Expenditures (II, 11) since they could not be separated out.
	II, 11	Figure includes some categories in II, 4 for Medical and Social Work Libraries.
	II, 12	Excludes $1,080,506 estimated fringe benefits. Total Library Expenditures with fringes is $14,605,427.
WATERLOO		Figures include the University Map and Design Library, the Davis Library, and the Optometry Reading Room.
		All figures are as of April 30, 1993.
	I, 1-3, 5-8	Includes government documents.
	III, 6	Figures based on 35 hour work week.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $1,415,245; (2) $2,606,158; (3) U/A; (4) U/A; (5) $4,021,403; (6) $100,130; (7) $2,492,739; (8) $3,824,435; (9) $406,569; (10) $6,723,743; (11) $691,573; (12) $11,536,849.
WAYNE STATE		All figures are as of September 30, 1993.
		Includes Reuther Archives of Labor and Urban Affairs, and College of Pharmacy and Allied Health Professions.
	I, 1-3, 5-8	Includes government documents; based on sampling.
	II, 3	Included in Monographs Expenditures (II, 1) and Serials Expenditures (II, 2)
		Reporting basis for faculty was changed in FY93 to conform with U.S. Dept. of Education definitions.
WESTERN ONTARIO		All figures are as of April 30, 1993.
	I, 1	Holdings count adjusted as a result of a review of data collection procedures during 1992-93.
	II, 3	Included in Monographs Expenditures (I, 1).
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $1,875,856; (2) $3,643,226; (3) U/A; (4) U/A; (5) $5,519,082; (6) $208,864; (7) U/A; (8) U/A; (9) U/A; (10) $8,953,771; (11) $1,013,611; (12) $15,695,328;
WISCONSIN	I, 1	Includes maps not included in I, 12.
	I, 12	Includes maps not included in I, 1.

INSTITUTION	CATEGORY FROM MAIN TABLES	NOTES
YALE		Includes Lewis Walpole Library in Farmington, Connecticut.
	I, 1-3	Excludes government documents.
	III, 4	Includes casual positions.
YORK		All figures are as of April 30, 1993.
		Includes Glendon Campus.
	II, 11	Includes bibliographic utilities for 1992-93, Can. $108,486. Online searching for 1992-93 is Can. $8,488.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $1,579,744; (2) $2,598,199; (3) $75,520; (4) $135,299; (5) $4,388,762; (6) $221,914; (7) $3,445,522; (8) $4,847,989; (9) $821,593; (10) $9,115,104; (11) $1,478,661; (12) $15,204,441.

APPENDIX A

The Association of Research Libraries

The Association of Research Libraries (ARL) represents the interests of 119 libraries that serve major North American research institutions. ARL operates as a forum for the exchange of ideas and as an agent for collective action to influence the forces affecting the ability of these libraries to meet the future needs of scholarship. The ARL Statistics and Measurement Program is organized around identifying, collecting, analyzing, and distributing quantifiable information describing the characteristics of research libraries. The program offers publications and special member services, and collaborates with other national and international library statistics programs. The data collected include salaries, library holdings, expenditures, staff, interlibrary lending, and preservation activities.

The members of the Association are:

Institution	Category	Full Name of Institution	Location
Alabama	S	University of Alabama	Tuscaloosa, Alabama
Alberta	C	University of Alberta	Edmonton Alberta
Arizona	S	University of Arizona	Tucson, Arizona
Arizona State	S	Arizona State University	Tempe, Arizona
Auburn	S	Auburn University	Auburn, Alabama
Boston	P	Boston University	Boston, Massachusetts
Brigham Young	P	Brigham Young University	Provo, Utah
British Columbia	C	University of British Columbia	Vancouver, British Columbia
Brown	P	Brown University	Providence, Rhode Island
California, Berkeley	S	University of California, Berkeley	Berkeley, California
California, Davis	S	University of California, Davis	Davis, California
California, Irvine	S	University of California, Irvine,	Irvine, California
California, Los Angeles	S	University of California, Los Angeles	Los Angeles, California
California, Riverside	S	University of California, Riverside	Riverside, California
California, San Diego	S	University of California, San Diego	La Jolla, California
California, Santa Barbara	S	University of California, Santa Barbara	Santa Barbara, California
Case Western Reserve	P	Case Western Reserve University	Cleveland, Ohio
Chicago	P	University of Chicago	Chicago, Illinois
Cincinnati	S	University of Cincinnati	Cincinnati, Ohio
Colorado	S	University of Colorado	Boulder, Colorado
Colorado State	S	Colorado State University	Fort Collins, Colorado
Columbia	P	Columbia University	New York, New York
Connecticut	S	University of Connecticut	Storrs, Connecticut
Cornell	P	Cornell University	Ithaca, New York
Dartmouth	P	Dartmouth College	Hanover, New Hampshire
Delaware	S	University of Delaware	Newark, Delaware
Duke	P	Duke University	Durham, North Carolina
Emory	P	Emory University	Atlanta, Georgia
Florida	S	University of Florida	Gainesville, Florida
Florida State	S	Florida State University	Tallahassee, Florida
Georgetown	P	Georgetown University	Washington, D.C.
Georgia	S	University of Georgia	Athens, Georgia
Georgia Tech	S	Georgia Institute of Technology	Atlanta, Georgia
Guelph	C	University of Guelph	Guelph, Ontario
Harvard	P	Harvard University	Cambridge, Massachusetts
Hawaii	S	University of Hawaii	Honolulu, Hawaii
Houston	S	University of Houston	Houston, Texas

S=U.S. public university P=U.S. private university N=U.S. nonuniversity library C=Canadian university X=Canadian nonuniversity

Institution	Category	Full Name of Institution	Location
Howard	P	Howard University	Washington, D.C.
Illinois, Chicago	S	University of Illinois at Chicago	Chicago, Illinois
Illinois, Urbana	S	University of Illinois at Urbana	Urbana, Illinois
Indiana	S	Indiana University	Bloomington, Indiana
Iowa	S	University of Iowa	Iowa City, Iowa
Iowa State	S	Iowa State University	Ames, Iowa
Johns Hopkins	P	Johns Hopkins University	Baltimore, Maryland
Louisiana State	S	Louisiana State University	Baton Rouge, Louisiana
McGill	C	McGill University	Montreal, Quebec
McMaster	C	McMaster University	Hamilton, Ontario
Manitoba	C	University of Manitoba	Winnipeg, Manitoba
Maryland	S	University of Maryland	College Park, Maryland
Massachusetts	S	University of Massachusetts	Amherst, Massachusetts
MIT	P	Massachusetts Institute of Technology	Cambridge, Massachusetts
Miami	P	University of Miami	Coral Gables, Florida
Michigan	S	University of Michigan	Ann Arbor, Michigan
Michigan State	S	Michigan State University	East Lansing, Michigan
Minnesota	S	University of Minnesota	Minneapolis, Minnesota
Missouri	S	University of Missouri	Columbia, Missouri
Nebraska	S	University of Nebraska-Lincoln	Lincoln, Nebraska
New Mexico	S	University of New Mexico	Albuquerque, New Mexico
New York	P	New York University	New York, New York
North Carolina	S	University of North Carolina	Chapel Hill, North Carolina
North Carolina State	S	North Carolina State University	Raleigh, North Carolina
Northwestern	P	Northwestern University	Evanston, Illinois
Notre Dame	P	University of Notre Dame	Notre Dame, Indiana
Ohio State	S	Ohio State University	Columbus, Ohio
Oklahoma	S	University of Oklahoma	Norman, Oklahoma
Oklahoma State	S	Oklahoma State University	Stillwater, Oklahoma
Oregon	S	University of Oregon	Eugene, Oregon
Pennsylvania	P	University of Pennsylvania	Philadelphia, Pennsylvania
Pennsylvania State	S	Pennsylvania State University	University Park, Pennsylvania
Pittsburgh	S	University of Pittsburgh	Pittsburgh, Pennsylvania
Princeton	P	Princeton University	Princeton, New Jersey
Purdue	S	Purdue University	West Lafayette, Indiana
Queen's	C	Queen's University	Kingston, Ontario
Rice	P	Rice University	Houston, Texas
Rochester	P	University of Rochester	Rochester, New York
Rutgers	S	Rutgers University	New Brunswick, New Jersey
Saskatchewan	C	University of Saskatchewan	Saskatoon, Saskatchewan
South Carolina	S	University of South Carolina	Columbia, South Carolina
Southern California	P	University of Southern California	Los Angeles, California
Southern Illinois	S	Southern Illinois University	Carbondale, Illinois
Stanford	P	Stanford University	Stanford, California
SUNY-Albany	S	State University of New York at Albany	Albany, New York
SUNY-Buffalo	S	State University of New York at Buffalo	Buffalo, New York
SUNY-Stony Brook	S	State University of New York at Stony Brook	Stony Brook, New York
Syracuse	P	Syracuse University	Syracuse, New York
Temple	S	Temple University	Philadelphia, Pennsylvania
Tennessee	S	University of Tennessee	Knoxville, Tennessee
Texas	S	University of Texas	Austin, Texas
Texas A&M	S	Texas A&M University	College Station, Texas
Toronto	C	University of Toronto	Toronto, Ontario

S=U.S. public university P=U.S. private university N=U.S. nonuniversity library C=Canadian university X=Canadian nonuniversity

Institution	Category	Full Name of Institution	Location
Tulane	P	Tulane University	New Orleans, Louisiana
Utah	S	University of Utah	Salt Lake City, Utah
Vanderbilt	P	Vanderbilt University	Nashville, Tennessee
Virginia	S	University of Virginia	Charlottesville, Virginia
VPI & SU	S	Virginia Polytechnic Institute & State University	Blacksburg, Virginia
Washington	S	University of Washington	Seattle, Washington
Washington State	S	Washington State University	Pullman, Washington
Washington U.-St. Louis	P	Washington University	St. Louis, Missouri
Waterloo	C	University of Waterloo	Waterloo, Ontario
Wayne State	S	Wayne State University	Detroit, Michigan
Western Ontario	C	University of Western Ontario	London, Ontario
Wisconsin	S	University of Wisconsin	Madison, Wisconsin
Yale	P	Yale University	New Haven, Connecticut
York	C	York University	North York, Ontario
Boston Public Library	N	Boston Public Library	Boston, Massachusetts
Canada Inst. for SciTech	X	Canada Inst. for Scientific & Technical Information	Ottawa, Ontario
Center for Research Libs.	N	Center for Research Libraries	Chicago, Illinois
Library of Congress	N	Library of Congress	Washington, D.C.
Linda Hall Library	N	Linda Hall Library	Kansas City, Missouri
Natl. Agricultural Lib.	N	National Agricultural Library	Beltsville, Maryland
Natl. Library of Canada	X	National Library of Canada	Ottawa, Ontario
Natl. Library of Medicine	N	National Library of Medicine	Bethesda, Maryland
New York Public Library	N	New York Public Library	New York, New York
New York State Library	N	New York State Library	Albany, New York
Smithsonian Institution	N	Smithsonian Institution	Washington, D.C.

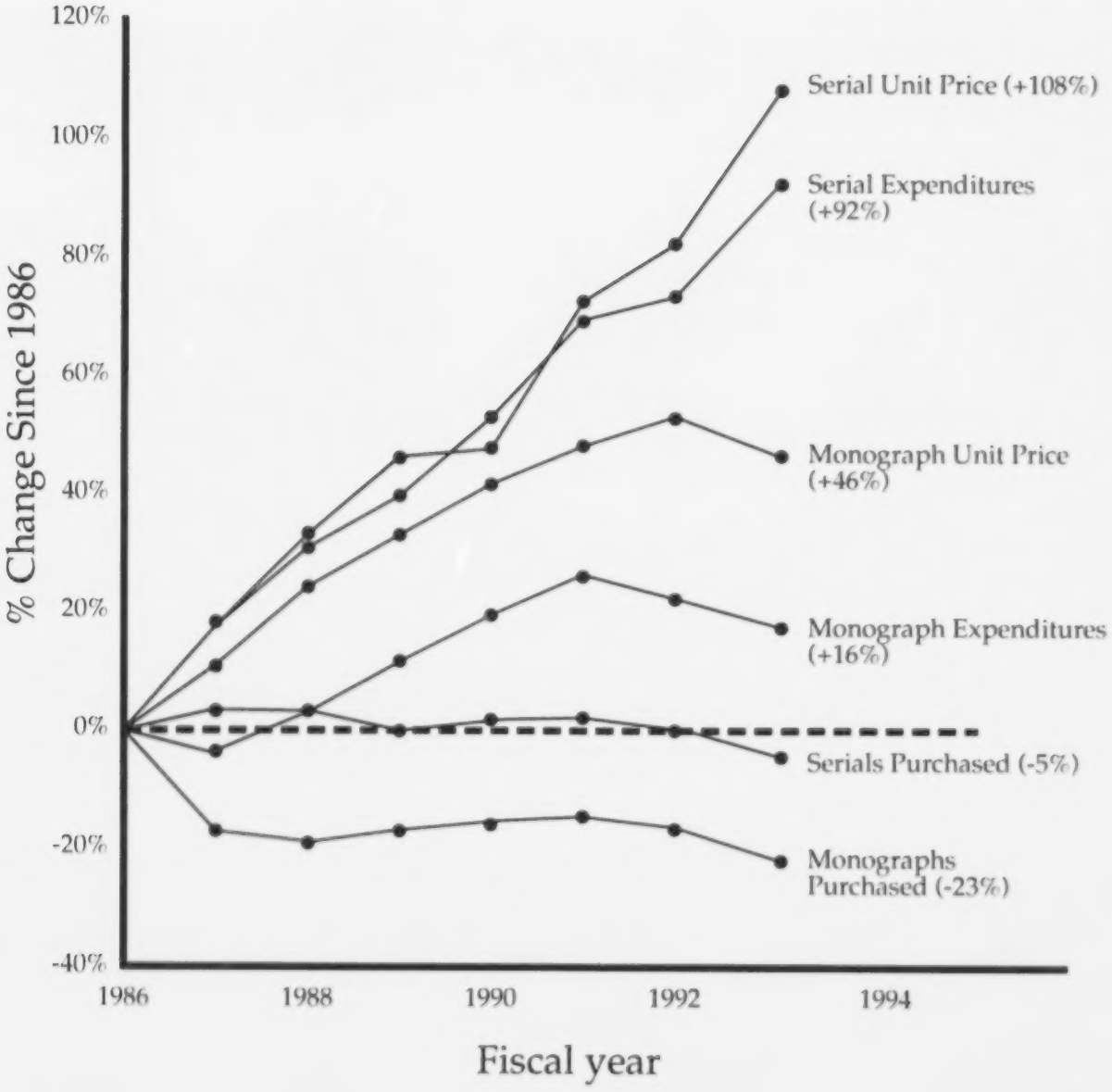
S=U.S. public university P=U.S. private university N=U.S. nonuniversity library C=Canadian university X=Canadian nonuniversity

APPENDIX B

GRAPHS

The following section contains a selection of informative graphs based on ARL data.

Monograph and Serial Costs in ARL Libraries, 1986-1993



Source: 1992-93 *ARL Statistics*

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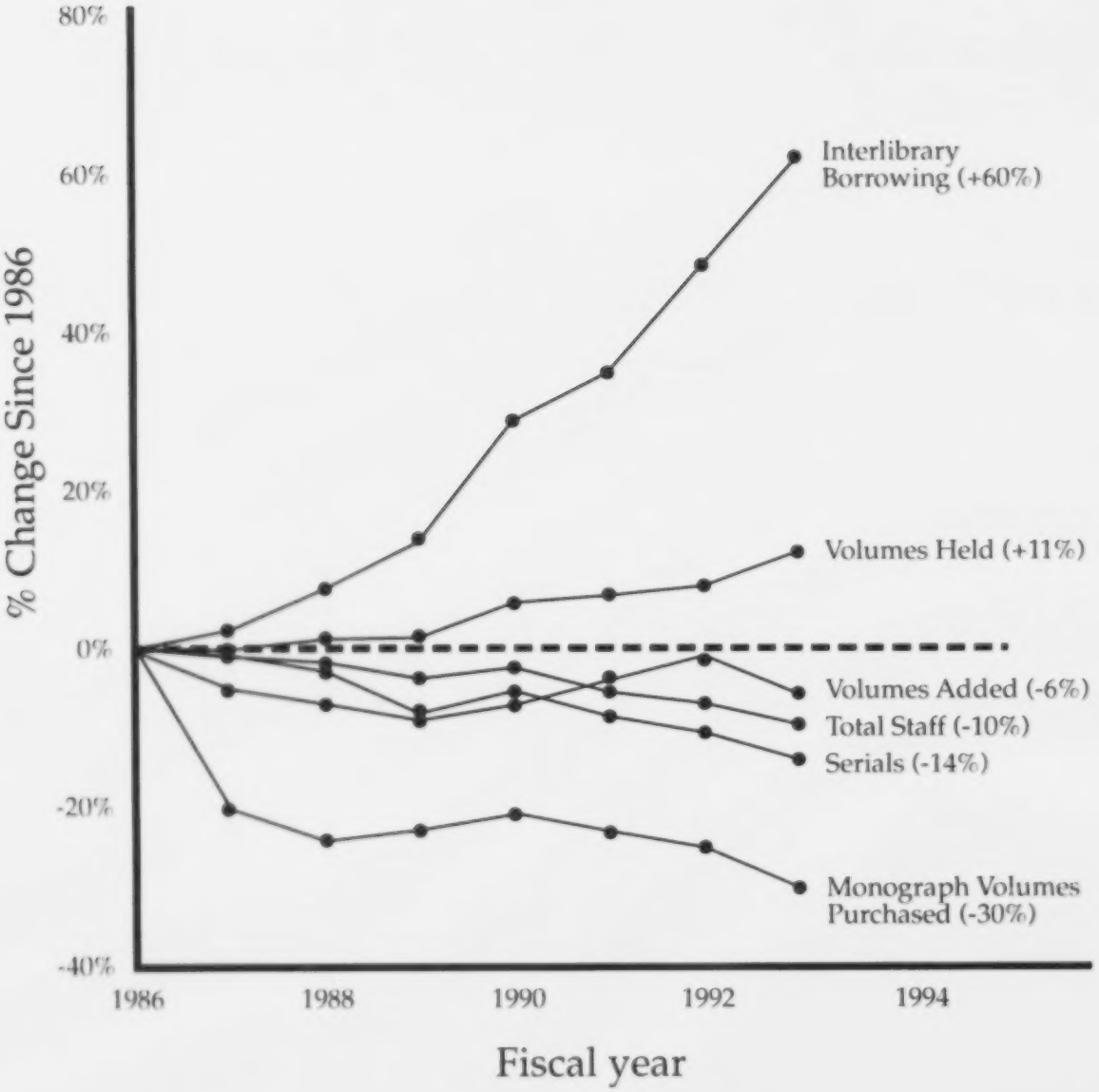
Resources per Student in ARL Libraries, 1986-1993



Note: The total student population has increased 11% since 1986. This graph compares the growth in number of students with changes in interlibrary borrowing, library staff, and acquisitions.

Source: 1992-93 *ARL Statistics*

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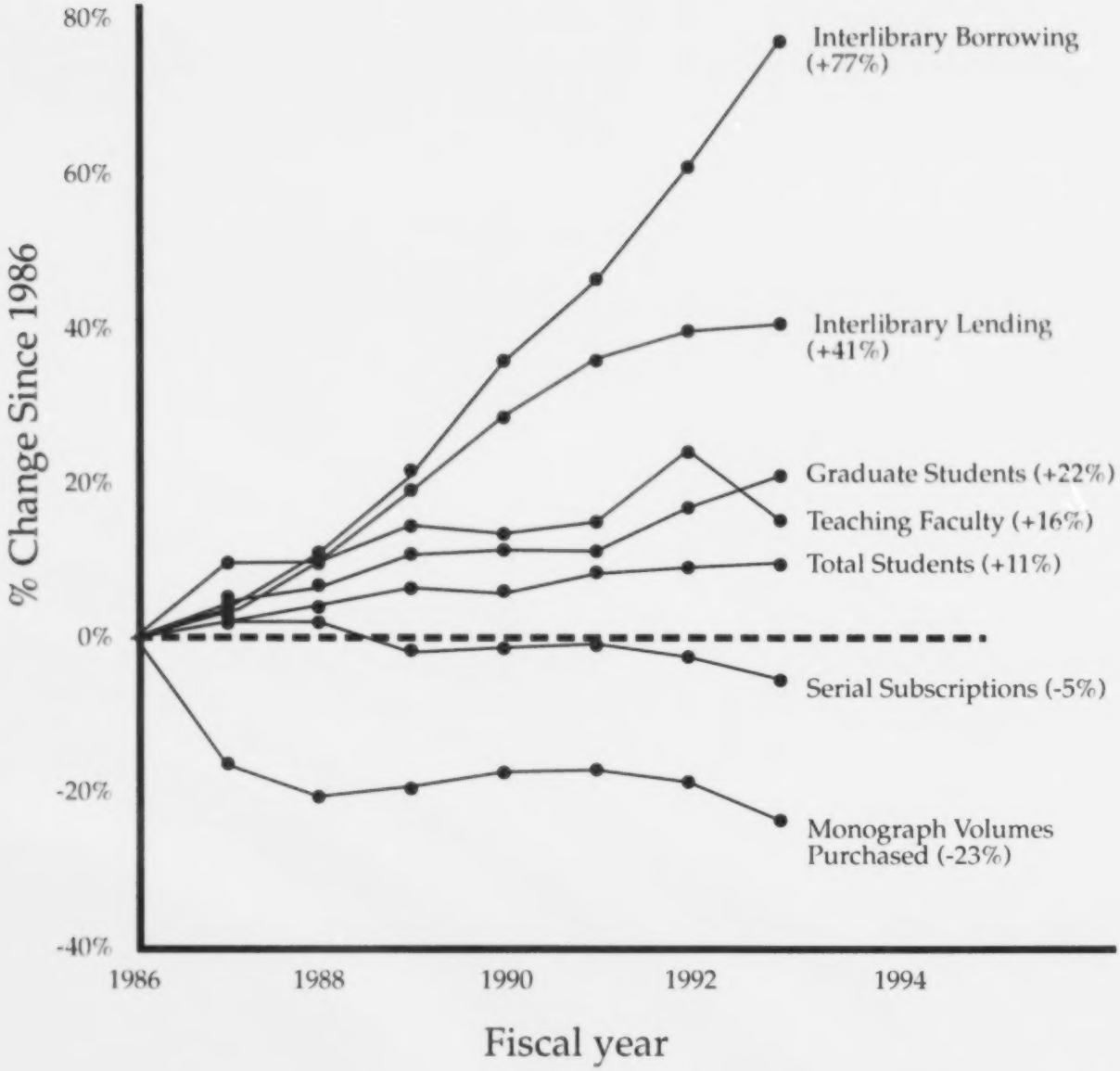
Supply and Demand in ARL Libraries, 1986-1993



Note: This graph compares growth in numbers of users with changes in on-site resources and resource-sharing.

Source: *1992-93 ARL Statistics*

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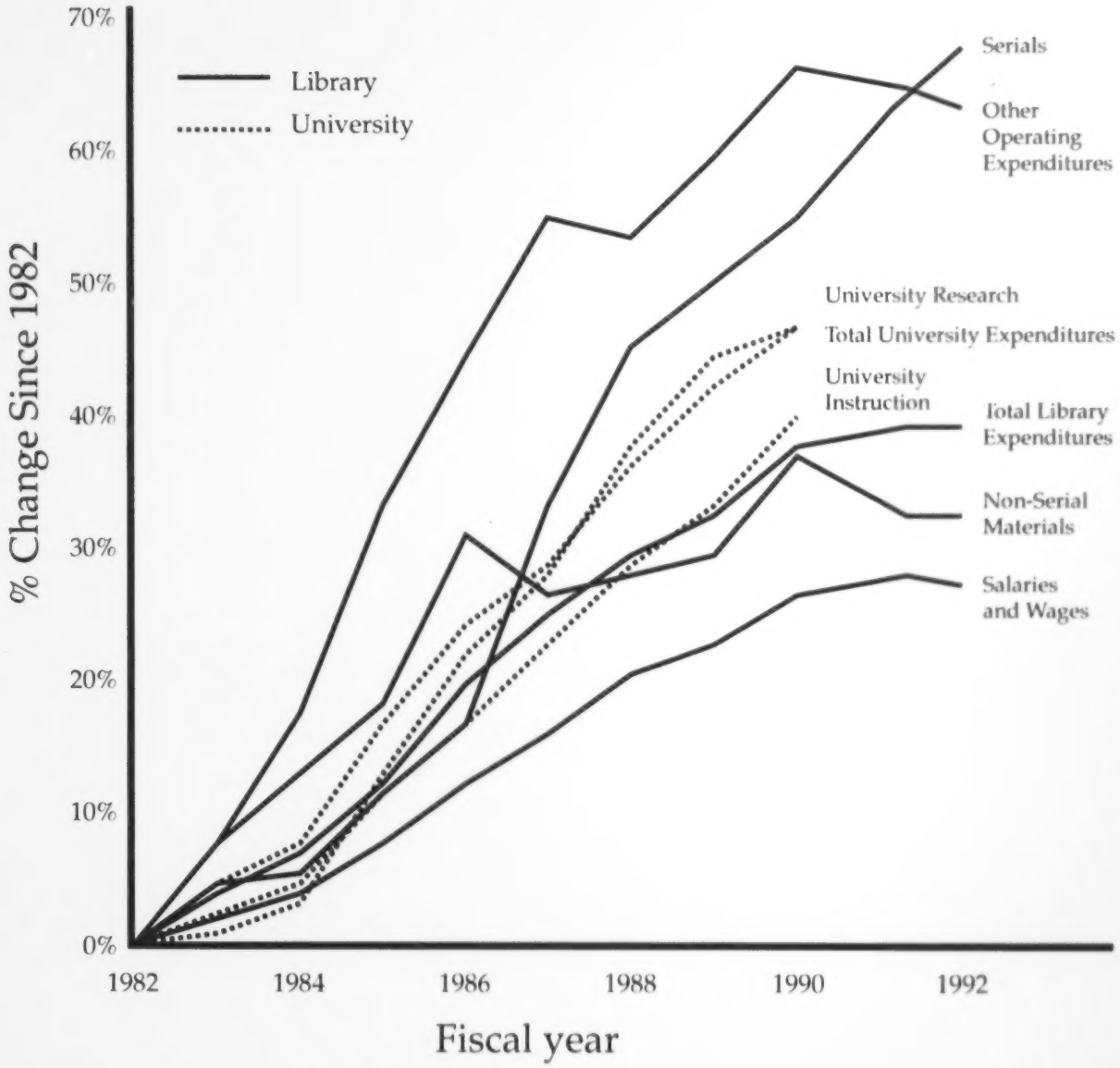
ARL Library and U.S. ARL University Expenditures, 1982-1992, In Constant (1982) Dollars



Source: 1991-92 *ARL Statistics*
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Association of Research Libraries
21 Dupont Circle
Washington, D.C 20036
(202) 296-2296; FAX (202) 872-0884